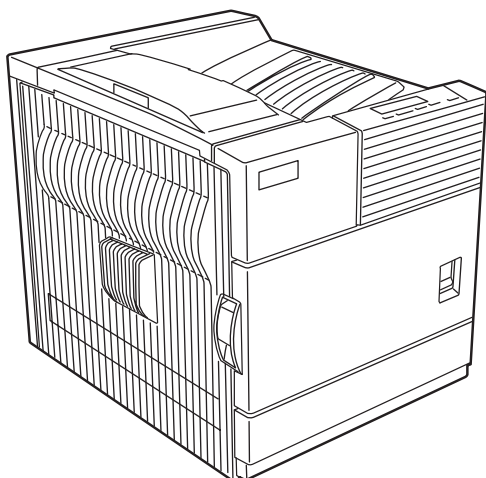


# SHARP SERVICE MANUAL

CODE : 00ZARP350/A2E



## LASER PRINTER

**MODEL AR-P350  
AR-P450**

**OPTIONS AR-HD3 / AR-PK1**

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Parts marked with "⚠" are important for maintaining the safety of the set.

Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

## CAUTION

This product is a class 1 laser product that complies with 21CFR 1040.10 and 1040.11 of the CDRH standard and IEC825. This means that this machine does not produce hazardous laser radiation. The use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This laser radiation is not a danger to the skin, but when an exact focusing of the laser beam is achieved on the eye's retina, there is the danger of spot damage to the retina.

The following cautions must be observed to avoid exposure of the laser beam to your eyes at the time of servicing.

- 1) When a problem in the laser optical unit has occurred, the whole optical unit must be exchanged as a unit, not as individual parts.
- 2) Do not look into the machine with the main switch turned on after removing the developer unit, toner cartridge, and drum cartridge.
- 3) Do not look into the laser beam exposure slit of the laser optical unit with the connector connected when removing and installing the optical system.
- 4) The middle frame contains the safety interlock switch.  
Do not defeat the safety interlock by inserting wedges or other items into the switch slot.

## Cautions on laser

|              |   |  |
|--------------|---|--|
| Wave length  | 785 nm +10 nm<br>-15 nm   | At the production line, the output power of the scanner unit is adjusted to 0.4 MILLIWATT PLUS 8 % and is maintained constant by the operation of the Automatic Power Control (APC).                           |
| Pulse times  | North America:<br>35 cpm model: (4.1 $\mu$ s $\pm$ 4.1 ns)/7 mm<br>45 cpm model: (5.7 $\mu$ s $\pm$ 5.7 ns)/7 mm<br>Europe:<br>35 cpm model: (3.8 $\mu$ s $\pm$ 3.8 ns)/7 mm<br>45 cpm model: (4.4 $\mu$ s $\pm$ 4.4 ns)/7 mm |  |
| Output power | 0.2 mW - 0.4 mW   | <b>Caution</b><br>This product contains a low power laser device. To ensure safety do not remove any cover or attempt to gain access to the inside of the product. Refer all servicing to qualified personnel. |

### For North America:

#### SAFETY PRECAUTIONS

This Digital Equipment is rated Class 1 and complies with 21 CFR 1040.10 and 1040.11 of the CDRH standards. This means that the equipment does not produce hazardous laser radiation. For your safety, observe the precautions below.

- Do not remove the cabinet, operation panel or any other covers.
- The equipment's exterior covers contain several safety interlock switches. Do not bypass any safety interlock by inserting wedges or other items into switch slots.

#### Caution

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

### For Europe:

CLASS 1 LASER PRODUCT

LASER KLASSE 1

LUOKAN 1 LASERLAITE

KLASS 1 LASERAPPARAT

#### CAUTION

INVISIBLE LASER RADIATION WHEN OPEN INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

#### VORSICHT

UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.

#### ADVARSEL

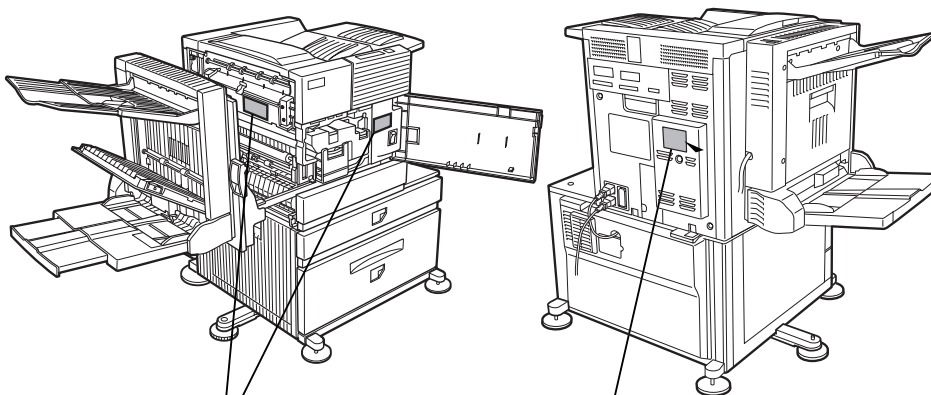
USYNLIG LASERSTRÅLNING VED ÅBNING, NÅR SIKKERHEDSBRYDERE ER UDE AF FUNKTION. UNDGA UDSÆTTELSE FOR STRÅLNING.

#### VAROITUS!

LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

#### WARNING

OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERATS, KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASERSTRÅLNING, SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.



Laserstrahl

**CAUTION** INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.  
**VORSICHT** UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.  
**ADVARSEL** USYNLIG LASERSTRÅLNING VED ÅBNING, NÅR SIKKERHEDSBRYDERE ER UDE AF FUNKTION. UNDGA UDSÆTTELSE FOR STRÅLNING.  
**ADVARSEL** USYNLIG LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRRAR ÄR URKOPPLADE. STRÅLEN ÄR FÄRLIG. BETRÄKTA EJ STRÅLEN.  
**WARNING** OSYNLIG LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRRAR ÄR URKOPPLADE. STRÅLEN ÄR FÄRLIG. BETRÄKTA EJ STRÅLEN.  
**VARO!** HÄVITTÄSSÄ JA SUOJALUKITUS OHITETTÄESSÄ OLET ALTITTA NÄKYMÄTÖNT LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

⚠ 注意 (サービスマン用)

カバーを開けてかつインターロックを無効にした場合にはレーザー光にさらされないようにしてください。

**CLASS 1  
LASER PRODUCT**

**LASER KLASSE 1**

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# [1] GENERAL

## 1. Note for servicing

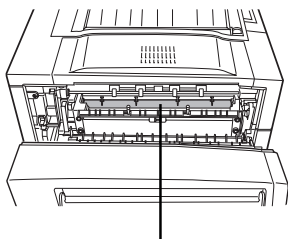
### Pictogram

This Service Manual uses some pictographs to assure safe operation. Please understand the meanings of pictographs before servicing.

CAUTION: If this CAUTION is ignored, an injury or damage to property could occur.

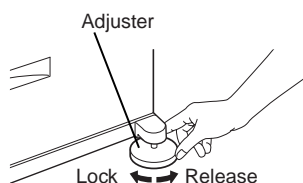
### A.Cautions for servicing

- 1) Do not touch the photoconductive drum. Scratches or smudges on the drum will cause dirty printouts.
- 2) The fusing unit is extremely hot. Exercise care in this area.



Fusing unit

- 3) Do not look directly at the light source of the scanner module. Doing so may damage your eyes.
- 4) Five adjusters are provided on all optional stand/paper drawer units. These adjusters should be lowered until they contact the floor.

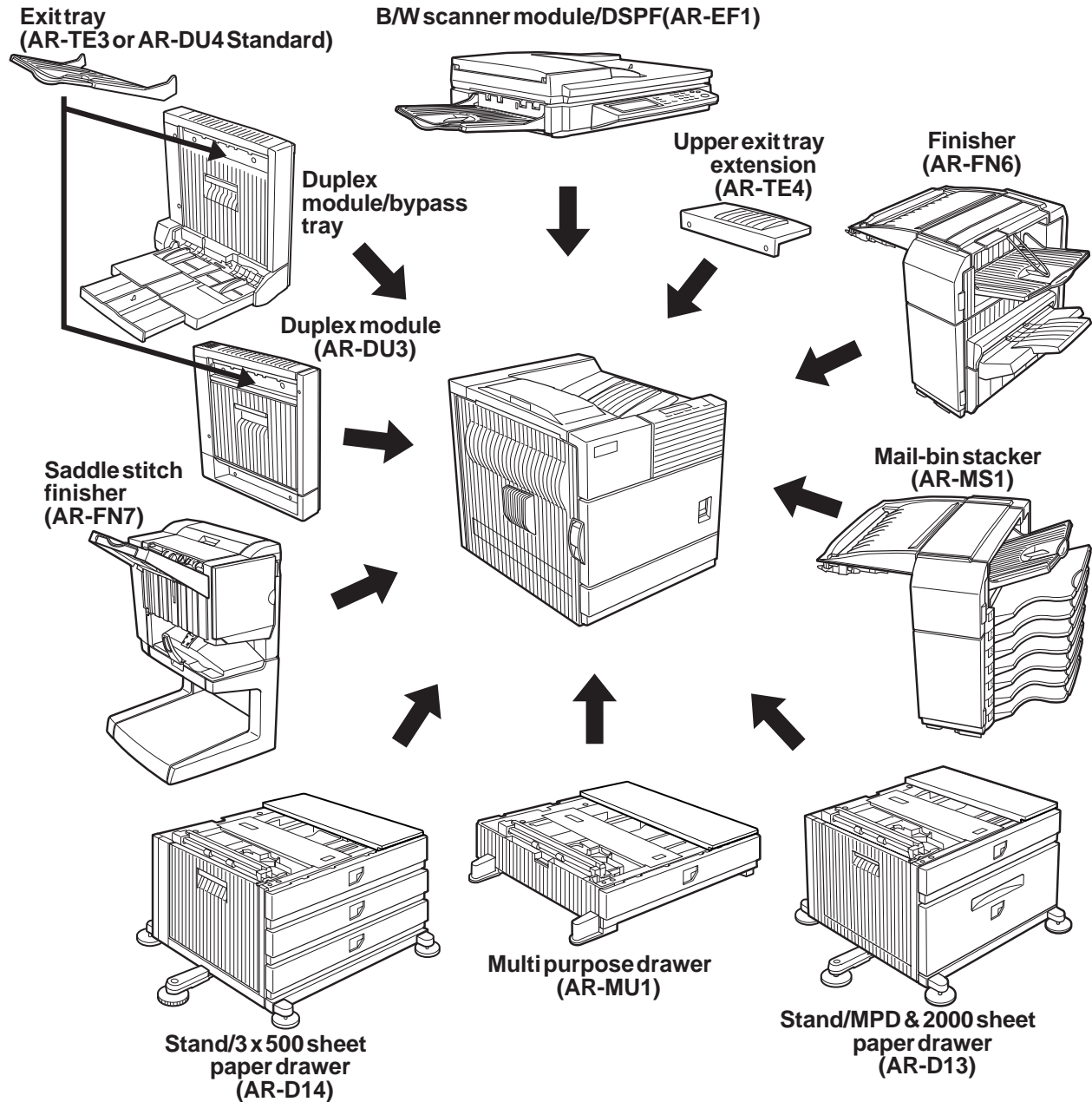


- 5) Do not make any modifications to this machine. Doing so may result in personal injury or damage to the machine.
- 6) Since this machine is heavy, it is recommended that it be moved by more than one person to prevent injury.
- 7) When connecting this machine to a computer, be sure to first turn both the computer and the machine off.
- 8) Do not print anything which is prohibited from printing by law. The following items are normally prohibited from printing by national law. Other items may be prohibited by local law.
  - Money
  - Stamps
  - Bonds
  - Stocks
  - Bank drafts
  - Checks
  - Passports
  - Driver's licenses
- 9) Do not throw toner or a toner cartridge into fire. Toner may be spattered, causing a burn.
- 10) Store toner or toner cartridges in a hard-to-reach place for children.



## [2] CONFIGURATION

### 1.System Configurations



### 2. Standard

| Category              | Model Name | Other options required for the installation/mounting.<br>(Such option has be ordered separately.)   | Remarks |
|-----------------------|------------|---|---------|
| Printer model (35ppm) | AR-P350    | <ul style="list-style-type: none"> <li>Multi Purpose Drawer (AR-MU1), or Stand/MPD&amp;2000 Sheet Paper Drawer (AR-D13), or Three paper drawer stand (AR-D14)</li> <li>Power Supply Unit (AR-DC1) is required for Stand/MPD&amp;2000 Sheet Paper Drawer (AR-D13) and Three paper drawer stand (AR-D14)</li> </ul> |         |
| Printer model (45ppm) | AR-P450    |   |         |
| MFP model (35ppm)     | AR-M350    | <ul style="list-style-type: none"> <li>B/W Scanner module/DSPF (AR-EF1), or B/W Scanner module/SPF (AR-EF2)</li> <li>Scanner Rack (AR-RK1)</li> <li>Stand/MPD&amp;2000 sheet paper drawer (AR-D13) or Three paper drawer stand (AR-D14)</li> <li>Power supply unit (AR-DC1)</li> </ul>                            |         |
| MFP model (45ppm)     | AR-M450    |   |         |

### 3. List of combination of peripheral devices

As shown in the table below, some other peripheral devices ( B ) may be needed for installation of a peripheral device ( A ) and some peripheral devices cannot be installed together.

A

|  |         | B                      |              |                      |                                  |                        |                           |               |                        |          |                  |           |                           |            |                                 |                   |                   |                               |                         |                   |                   |                 |  |  |  |
|--|---------|------------------------|--------------|----------------------|----------------------------------|------------------------|---------------------------|---------------|------------------------|----------|------------------|-----------|---------------------------|------------|---------------------------------|-------------------|-------------------|-------------------------------|-------------------------|-------------------|-------------------|-----------------|--|--|--|
| Related to scanner feature                   |         | BW scanner module/DSPF | Scanner rack | Multi purpose drawer | Stand/3 x 500 sheet paper drawer | Stand/MPD & 2000 sheet | Duplex module/bypass tray | Duplex module | Saddle stitch finisher | Finisher | Mail-bin stacker | Exit tray | Upper exit tray extension | Punch unit | Multi-function controller board | Print server card | PS3 expansion kit | Network scanner expansion kit | Facsimile expansion kit | Fax memory (8 MB) | Power supply unit | Hard disk drive |  |  |  |
| B/W scanner module/DSPF                      | AR-EF1  | —                      | ○            | ×                    | ○ <sup>*1</sup>                  |                        |                           |               |                        |          |                  |           |                           |            | ○                               |                   |                   |                               |                         |                   | ○                 |                 |  |  |  |
| Scanner rack                                 | AR-RK1  | ○ <sup>*1</sup>        | —            | ×                    | ○ <sup>*1</sup>                  |                        |                           |               |                        |          |                  |           |                           |            | ○                               |                   |                   |                               |                         |                   | ○                 |                 |  |  |  |
| Related to paper feed unit                   |         |                        |              |                      |                                  |                        |                           |               |                        |          |                  |           |                           |            |                                 |                   |                   |                               |                         |                   |                   |                 |  |  |  |
| Multi purpose drawer                         | AR-MU1  | ×                      | ×            | —                    | ×                                | ×                      |                           |               | ×                      |          |                  |           |                           | ×          |                                 |                   |                   | ×                             | ×                       | ×                 |                   |                 |  |  |  |
| Stand/3 x 500 sheet paper drawer             | AR-D14  |                        |              | ×                    | —                                | ×                      |                           |               |                        |          |                  |           |                           |            |                                 |                   |                   |                               |                         |                   | ○                 |                 |  |  |  |
| Stand/MPD & 2000 sheet paper drawer          | AR-D13  |                        |              | ×                    | ×                                | —                      |                           |               |                        |          |                  |           |                           |            |                                 |                   |                   |                               |                         |                   | ○                 |                 |  |  |  |
| Duplex module/bypass tray                    | AR-DU4  |                        |              |                      | ○ <sup>*1</sup>                  | —                      |                           | ×             |                        |          |                  |           |                           | ×          |                                 |                   |                   |                               |                         |                   | ○ <sup>*2</sup>   |                 |  |  |  |
| Duplex module                                | AR-DU3  |                        |              |                      | ○ <sup>*1</sup>                  |                        | —                         |               |                        |          |                  |           |                           |            |                                 |                   |                   |                               |                         |                   | ○ <sup>*2</sup>   |                 |  |  |  |
| Output units                                 |         |                        |              |                      |                                  |                        |                           |               |                        |          |                  |           |                           |            |                                 |                   |                   |                               |                         |                   |                   |                 |  |  |  |
| Saddle stitch finisher                       | AR-FN7  |                        |              | ×                    | ○ <sup>*1</sup>                  | ×                      | ○                         | —             | ×                      |          | ×                |           |                           |            |                                 |                   |                   |                               |                         |                   | ○                 |                 |  |  |  |
| Finisher                                     | AR-FN6  |                        |              |                      | ○ <sup>*1</sup>                  |                        |                           | ×             | —                      | ×        |                  | ×         | ×                         |            |                                 |                   |                   |                               |                         |                   | ○                 |                 |  |  |  |
| Mail-bin stacker                             | AR-MS1  |                        |              |                      | ○ <sup>*1</sup>                  |                        |                           |               | ×                      | —        |                  | ×         |                           |            |                                 |                   |                   |                               |                         |                   | ○                 |                 |  |  |  |
| Exit tray                                    | AR-TE3  |                        |              |                      |                                  | ○ <sup>*1</sup>        | ×                         | ×             | ×                      | —        |                  | ×         |                           |            |                                 |                   |                   |                               |                         |                   |                   |                 |  |  |  |
| Upper exit tray extension                    | AR-TE4  |                        |              |                      |                                  |                        |                           |               | ×                      | ×        |                  | —         |                           |            |                                 |                   |                   |                               |                         |                   |                   |                 |  |  |  |
| Punch unit                                   | AR-PN1  |                        |              | ×                    | ○ <sup>*1</sup>                  | ×                      | ○                         | ○             | ×                      |          | ×                |           | —                         |            |                                 |                   |                   |                               |                         |                   | ○                 |                 |  |  |  |
| Related to extension of functions and others |         |                        |              |                      |                                  |                        |                           |               |                        |          |                  |           |                           |            |                                 |                   |                   |                               |                         |                   |                   |                 |  |  |  |
| PS3 expansion kit                            | AR-PK1  |                        |              |                      |                                  |                        |                           |               |                        |          |                  |           |                           |            |                                 |                   | —                 |                               |                         |                   |                   |                 |  |  |  |
| Network scanner expansion kit                | AR-NS2  | ○ <sup>*1</sup>        | ○            | ×                    | ○ <sup>*1</sup>                  |                        |                           |               |                        |          |                  |           |                           |            | ○                               | ○                 |                   | —                             |                         |                   |                   |                 |  |  |  |
| Facsimile expansion kit                      | AR-FX5  | ○ <sup>*1</sup>        | ○            | ×                    | ○ <sup>*1</sup>                  |                        |                           |               |                        |          |                  |           |                           |            | ○                               |                   |                   |                               | —                       |                   |                   |                 |  |  |  |
| Fax memory (8 MB)                            | AR-MM9  | ○ <sup>*1</sup>        | ○            | ×                    | ○ <sup>*1</sup>                  |                        |                           |               |                        |          |                  |           |                           |            | ○                               |                   |                   |                               | ○                       | —                 | ○                 |                 |  |  |  |
| Power supply unit                            | AR-DC1  |                        |              |                      |                                  |                        |                           |               |                        |          |                  |           |                           |            |                                 |                   |                   |                               |                         |                   | —                 |                 |  |  |  |
| Hard disk drive                              | AR-HD3  |                        |              |                      |                                  |                        |                           |               |                        |          |                  |           |                           |            |                                 |                   |                   |                               |                         |                   |                   | —               |  |  |  |
| Multi-function controller board              | AR-M11  | ○ <sup>*1</sup>        | ○            | ×                    | ○ <sup>*1</sup>                  |                        |                           |               |                        |          |                  |           |                           |            | —                               |                   |                   |                               |                         |                   |                   |                 |  |  |  |
| Print server card                            | AR-NC5J |                        |              |                      |                                  |                        |                           |               |                        |          |                  |           |                           |            |                                 | —                 |                   |                               |                         |                   |                   |                 |  |  |  |

○ = Must be installed together.

○<sup>\*1</sup> = Any of the units must be installed together.

○<sup>\*2</sup> = Must be installed for installation of the stand/3 x 500 sheet paper drawer or the stand/MPD & 2000 sheet paper drawer.

×

### [3] SPECIFICATIONS

#### 1.Basic Specification

##### A.Base Engine

###### (1) Form

|                   |         |
|-------------------|---------|
| AR-P350 / AR-P450 | Desktop |
|-------------------|---------|

###### (2) Engine speed

| Paper size       | AR-P350 | AR-P450 |
|------------------|---------|---------|
| A4, 8.5" x 11"   | 35ppm   | 45ppm   |
| A5R/5.5" x 8.5"R | 35ppm   | 45ppm   |
| B5               | 35ppm   | 45ppm   |
| B4/8.5" x 14     | 20ppm   | 22ppm   |
| A3/11" x 17"     | 17ppm   | 20ppm   |

###### (3) Engine composition

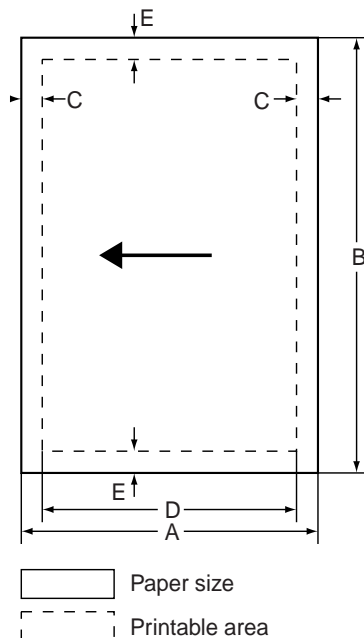
|                     |  |
|---------------------|--|
| Photoconductor type | OPC (diameter of photoconductor : ø30mm)           |
| Record method       | Electrophotograph (laser)                          |
| Development method  | Dry-type dual-component magnetic brush development |
| Charge method       | Charged saw-tooth method                           |
| Transfer method     | Transfer roller                                    |
| Cleaning method     | Counter blade                                      |
| Fusing method       | Heat roller  |
| Used toner disposal | Toner recycling system                             |

###### (4) Engine resolution

|            |                           |
|------------|---------------------------|
| Resolution | Write :600dpi             |
| Smoothing  | Write :1200dpi equivalent |
| Gradation  | Write :2 levels           |

###### (5) Printable area

The print area of this product is shown below.



If a printer driver for Windows or Macintosh is used for printing, the printable area will be smaller. The actual printable area depends on the printer driver to be used.

(in mm)

| Paper size        | A   | B   | C | D   | E |
|-------------------|-----|-----|---|-----|---|
| A3                | 297 | 420 | 4 | 289 | 4 |
| B4                | 257 | 364 | 4 | 242 | 4 |
| A4                | 210 | 297 | 4 | 202 | 4 |
| B5                | 182 | 257 | 4 | 168 | 4 |
| A5                | 148 | 210 | 4 | 140 | 4 |
| Japanese postcard | 100 | 148 | 4 | 92  | 4 |
| Ledger            | 279 | 432 | 4 | 271 | 4 |
| Legal             | 216 | 356 | 4 | 208 | 4 |
| Foolscap          | 216 | 330 | 4 | 208 | 4 |
| Letter            | 216 | 279 | 4 | 208 | 4 |
| Executive         | 184 | 267 | 4 | 183 | 4 |
| Invoice           | 140 | 216 | 4 | 132 | 4 |
| Com-10(envelope)  | 105 | 241 | 4 | 97  | 4 |
| C5(envelope)      | 162 | 229 | 4 | 154 | 4 |
| Monarch(envelope) | 98  | 191 | 4 | 90  | 4 |
| DL(envelope)      | 110 | 220 | 4 | 102 | 4 |
| ISO B5(envelope)  | 176 | 250 | 4 | 168 | 4 |

###### (6) Warm-up

|                      |  |
|----------------------|--|
| Warm-up time         | less than 80 seconds   |
| Pre-heat requirement | Required   |
| Jam recovery time    | Target: about 30 seconds<br>(Under standard condition of 60 seconds left after side cover opening, polygon motor halt) |

###### (7) Power source

|            |             |             |
|------------|-------------|-------------|
| Voltage    | 100V system | 200V system |
|            | 100-127V    | 220-240V    |
| Frequency  | 50/60Hz     | 50/60Hz     |
| Power cord |             |             |

###### (8) Power consumption

|                      | AR-P350 | AR-P450 |
|----------------------|---------|---------|
| Max. Power consump.  | 1350W   | 1350W   |
| Average waiting mode | 1200W   | 1200W   |

###### (9) Energy Star benchmark

|                                   | AR-P350 | AR-P450 |
|-----------------------------------|---------|---------|
| Low power mode                    | 40W     | 75W     |
| Transition time to Low power mode | 60min   | 60min   |

###### (10) Noise

|                 | AR-P350        | AR-P450        |
|-----------------|----------------|----------------|
| At working      | less than 6.7B | less than 6.7B |
| At waiting mode | less than 4.8B | less than 4.8B |

\* Showing noise benchmark in each model as a whole system.

###### (11) Dimensions

|                           |   |
|---------------------------|---|
| External dimensions       | * 654 x 567 x 593 (WxDxH) (mm)  |
| Occupied space dimensions | * 654 x 567 (W x D) (mm)  |
| Weight                    | Approx. 39 kg<br>Approx. 50 kg<br>(with multi purpose tray and Upper exit tray extension) |

\* With multi purpose tray (AR-MU1)

## B. Document Feeding Equipment

### (1) One-drawer tray (included in the base engine)

|                                   |   |             |
|-----------------------------------|---|-------------|
| Paper feed method                 | One-drawer tray   |             |
| Sizes to be fed                   | A4, B5, 8.5" x 11"  |             |
| Paper capacity                    | 500 sheets (at 80g/m <sup>2</sup> )   |             |
| Media available for paper feeding | Plain paper 60 - 105g/m <sup>2</sup> , 16 - 28lbs                           |             |
| Paper type                        | Plain, recycled, pre-printed, pre-punched, color, letter head               |             |
| Paper size switching              | To be switched by user (paper size to be entered from the operation panel). |             |
| Dehumidification heater           | Not provided  |             |
| Balance detection                 | Provided (paper empty and 3 steps)  |             |
| Default size setting              | 100V system   | 200V system |
|                                   | 8.5" x 11"  | A4          |
| Mounting/demounting of the tray   | Provided  |             |

## C. Output Equipment

### (1) Face-down Exit Tray (included in the base engine)

|                                |   |
|--------------------------------|---|
| Output position/method         | Face-down output at the upper side of main unit   |
| Output paper capacity          | 400 sheets (80g/m <sup>2</sup> sheet)   |
| Output paper size              | A3, B4, A4, A4R, B5, B5R, A5R<br>11" x 17", 8.5" x 14", 8.5" x 13", 8.5" x 11",<br>8.5" x 11"R, 5.5" x 8.5"R<br>Executive, postal card, Monarch (98 x 191)<br>Com-10 (105 x 241), DL (110 x 220),<br>C5 (162 x 229), ISO B5 (176 x 250) |
| Spec of media for paper output | Tracing paper : 52 ~ 59g/m <sup>2</sup> / 14 ~ 15lbs<br>Plain paper : 60 ~ 128g/m <sup>2</sup> / 16 ~ 34lbs<br>Index paper : 176g/m <sup>2</sup> / 47lbs<br>Cover paper : 205g/m <sup>2</sup> / 54 ~ 55lbs<br>Transparency firm         |
| Remaining paper detection      | Not provided  |
| Exit tray full detection       | Provided  |

## 2.Printer Function Specification

### A. Platform

|   |
|---|
| IBM PC/AT (Include compatible machine)                |
| Macintosh (680x0), Power Macintosh, iMac, G3Macintosh |

\* For Macintosh OS, the AR-PK1 is required.

### B. Support OS

|                    |                         |
|--------------------|-------------------------|
| Custom PS          | Windows 95/98/Me        |
|                    | Windows NT 4.0          |
|                    | Windows 2000            |
|                    | Mac OS 7.6 to Mac OS 9  |
| Custom PCL5e/6(XL) | Windows 95/98/Me        |
|                    | Windows NT 4.0          |
|                    | Windows 2000            |
| SPDL               | Windows 95/98/Me        |
|                    | Windows NT 4.0          |
|                    | Windows 2000            |
|                    | Mac OS 8.5.1 - Mac OS 9 |

\* For Macintosh OS, the AR-PK1 is required.

### C. PDL emulation

|  |
|--|
| PCL6 compatible, PCL5e compatible,<br>PostScript Level 2 compatible, PostScript 3 compatible |
|--|

## D. Print Function

### (1) General

| When an optional PS3 expansion kit is installed |                    |                    |                  |                    |
|---|--------------------|--------------------|------------------|--------------------|
| Function  | PCL5e/<br>PCL6     | PS                 | PPD<br>(Windows) | PPD<br>(Macintosh) |
| Copies  | 1 - 999            | 1 - 999            | 1 - 999          | 1 - 999            |
| Orientation                                     | Yes                | Yes                | Yes              | Yes                |
| Duplex print                                    | Yes                | Yes                | Yes              | Yes                |
| Saddle stitch                                   | Yes                | Yes                | No               | N/A                |
| Binding edge                                    | Left/top/<br>right | Left/top/<br>right | Long/short       | Long/short         |
| N-up  | 2/4/6/8            | 2/4/6/8            | 2/4*3*4          | 2/4/6/9/16         |
| N-up direction                                  | Fixed              | Fixed              | Fixed            | Selectable         |
| N-up border line                                | Yes                | Yes                | Yes(always)      | Yes                |

### (2) Paper input

| When an optional PS3 expansion kit is installed |                |        |                  |                    |
|---|----------------|--------|------------------|--------------------|
| Function  | PCL5e/<br>PCL6 | PS     | PPD<br>(Windows) | PPD<br>(Macintosh) |
| Paper size                                      | Yes            | Yes    | Yes              | Yes                |
| Custom paper size                               | 1 size         | 1 size | 3 sizes*3*5      | N/A                |
| Source selection                                | Yes            | Yes    | Yes              | Yes                |
| Different first page                            | Yes            | Yes    | N/A              | Yes                |
| Transparency inserts                            | Yes            | Yes    | N/A              | Yes                |

### (3) Paper output

| When an optional PS3 expansion kit is installed |                |     |                  |                    |
|---|----------------|-----|------------------|--------------------|
| Function  | PCL5e/<br>PCL6 | PS  | PPD<br>(Windows) | PPD<br>(Macintosh) |
| Output tray selection                           | Yes            | Yes | Yes              | Yes                |
| Mail bin  | Yes            | Yes | Yes              | Yes                |
| Staple  | Yes            | Yes | Yes              | Yes                |
| Offset  | Yes            | Yes | Yes              | Yes                |
| Punch   | Yes            | Yes | Yes              | Yes                |

### (4) Graphic

| When an optional PS3 expansion kit is installed |                |                         |                  |                    |
|---|----------------|-------------------------|------------------|--------------------|
| Function  | PCL5e/<br>PCL6 | PS                      | PPD<br>(Windows) | PPD<br>(Macintosh) |
| Resolution                                      | 600/300<br>dpi | 600 dpi                 | 600 dpi          | 600 dpi            |
| Halftone  | N/A            | Yes                     | Yes              | N/A                |
| Graphic mode                                    | Yes            | N/A                     | N/A              | N/A                |
| Smoothing                                       | Yes            | Yes                     | Yes              | Yes                |
| Toner save                                      | Yes            | Yes                     | Yes              | Yes                |
| Photo enhancement                               | Yes*8          | Yes                     | N/A              | N/A                |
| Negative image                                  | N/A            | Yes                     | Yes              | Yes                |
| Mirror image                                    | N/A            | Horizontal/<br>vertical | Horizontal       | Yes                |
| Zoom  | N/A            | N/A                     | Yes              | Yes                |
| Fit to page                                     | Yes            | Yes                     | N/A              | N/A                |

## (5) Font

|               |                                | When an optional PS3 expansion kit is installed |                             |                    |
|---------------|--------------------------------|---|-----------------------------|--------------------|
| Function      | PCL5e/<br>PCL6                 | PS  | PPD<br>(Windows)            | PPD<br>(Macintosh) |
| Resident font | 45 fonts                       | 136 fonts                                       | 136<br>fonts*6              | 35 fonts           |
| Download font | Bitmap<br>TrueType,<br>Graphic | Bitmap<br>Type1<br>TrueType                     | Bitmap<br>Type1<br>TrueType | N/A                |

## (6) Others

|                              |                | When an optional PS3 expansion kit is installed |                  |                    |
|------------------------------|----------------|---|------------------|--------------------|
| Function                     | PCL5e/<br>PCL6 | PS  | PPD<br>(Windows) | PPD<br>(Macintosh) |
| Watermark*7                  | Yes            | Yes   | Yes              | Yes                |
| Overlay                      | Yes            | Yes   | N/A              | N/A                |
| Job retention*1              | Yes            | Yes   | N/A              | Yes                |
| Account control              | Yes            | Yes   | N/A              | Yes                |
| Custom settings              | Yes            | Yes   | N/A              | N/A                |
| Automatic<br>configuration*2 | Yes            | Yes   | N/A              | Yes                |
| Job end<br>notification      | Yes            | Yes   | N/A              | N/A                |

\* 1 In the models without a hard disk drive, an optional hard disk drive must be installed .

\* 2 Functions when peripheral devices are installed.

\* 3 Not supported in the Windows NT 4.0 environment.

\* 4 2/4/6/9/16 is supported in the Windows 2000 environment.

\* 5 Only one size is supported in the Windows 2000 environment.

\* 6 Only 35 fonts are supported in the Windows NT 4.0 environment.

\* 7 This function is limited for PPD.

\* 8 PCL6 only

## E. Compatibility

|                             |  |
|-----------------------------|--|
| PCL 5e<br>compatibility     | Target for PCL5e is to be compatible with HP LaserJet 4000.<br>Small margin difference, rendering difference by different font family, default and transfer function difference are not to be included in the compatibility. All the PCL commands are not necessarily included in the compatibility. |
| PCL6<br>compatibility       | Target for PCL6 is to be compatible with HP LaserJet 4000.<br>Small margin difference, rendering difference by different font family, default and transfer function difference are not to be included in the compatibility. All the PCL commands are not necessarily included in the compatibility.  |
| PostScript<br>Compatibility | Roman PostScript is targeted to be compatible with Adobe PostScript as performed in HP LaserJet 4000.<br>Small margin difference, rendering difference by different font family, default and transfer function difference are not to be included in the compatibility.                               |

## 3.Expanded RAM

Installation of an expanded RAM will avoid the following status.

- 1) Time out error reduction
- 2) Spool time reduction
- 3) Avoidance of VM error / memory full

Use a commercially available RAM of the following specifications.

If a RAM which does not meet the specifications is installed, it may cause a trouble such as that it is not recognized or its capacity is not correctly recognized.

### <Specification>

|               |   |
|---------------|---|
| DIMM TYPE     | 168pin 3.3V Unbuffered SDRAM DIMM Non-ECC |
| DIMM capacity | 64MByte, 128MByte, 256MByte               |
| CAS LATENCY   | CL=2                                      |
| SDRAM CLOCK   | For PC100, PC133                          |
| SPD           | Supporting                                |
| Parity        | Not support                               |
| ECC           | Not support                               |

### <Operation-assured Memory> (As of March / 2001)

| Manufacture               | Capacity | Model name            | RAM CHIP name           | Note |
|---------------------------|----------|-----------------------|-------------------------|------|
| Kingston<br>Technology    | 128MB    | KVR133X64C3/<br>128   | HYB39S64800BT<br>-7.5   |      |
|                           | 128MB    | KVR133X64C3<br>-128   | D456821G-A75<br>-9JF    |      |
|                           | 256MB    | KVR133X64C3<br>-256   | HY57V28820AT-H          |      |
| Viking<br>Compornents     | 64MB     | VIK8641CL2            | μPD456841G5<br>-A80-9JF |      |
|                           | 64MB     | VIK8641CL2            | D456841G5-A80<br>-9JF   |      |
|                           | 128MB    | VIK6642CL2            | TC59SM708FT-80          |      |
|                           | 128MB    | VIK6642CL2            | D4564841G5-A80<br>-9JF  |      |
|                           | 256MB    | VIK2642CL2            | TC59SM708FT-80          |      |
| Memory Card<br>Technology | 64MB     | DM864VS65804X<br>-7G  | GM72V66841XT75          |      |
|                           | 128MB    | DM1665VS65804<br>X-7G | HY57V64820HG            |      |

## [4] CONSUMABLE PARTS

### 1. Supply system table

#### A. USA

| NO | Name                  | Content  | Life                                   | Product name                | Remark                                    |
|----|-----------------------|--|--|-----------------------------|---|
| 1  | Toner CA(Black)       | Toner(Toner : Net Weight 814g)   | 27K                                    | AR-450NT<br>(*1 AR-450NT-J) | *Life setup is based on A4 6%             |
| 2  | Developer             | Developer(Developer : Net Weight 450g)   | 100K                                   | AR-450ND                    |   |
| 3  | Drum                  | Drum   | x1 50K                                 | AR-450DR                    |   |
| 4  | 50K maintenance kit   | Cleaner blade<br>Drum separation pawl<br>Screen grid<br>Toner reception seal<br>Side malt F<br>Side malt R<br>Charging plate | x1<br>x4<br>x1<br>x1<br>x1<br>x1<br>x1 | 50K<br>AR-450KC1            |   |
| 5  | 100K maintenance kit  | Transfer roller<br>Discharging plate<br>Paper dust removing unit<br>DV blade<br>DV side seal F<br>DV side seal R             | x1<br>x1<br>x1<br>x1<br>x1<br>x1       | 100K<br>AR-450KA1           |   |
| 6  | Upper heat roller kit | Upper heat roller<br>Fusing separation pawl (Upper)  | x1<br>x4                               | 200K<br>AR-450UH            |   |
| 7  | Lower heat roller kit | Lower heat roller<br>Fusing separation pawl (Lower)  | x1<br>x2                               | 100K<br>AR-450LH            |   |
| 8  | Cleaner blade         | Cleaner blade  | x10                                    | 50K(x10) AR-450CB           | AR-450CB=(AR-450BL)x10                    |
| 9  | Cleaning roller       | Cleaning roller<br>Bearing   | x10<br>x20                             | 200K(x10) AR-450CR          | AR-450CR=(AR-450RC)x10                    |
| 10 | Staple cartridge      | Staple cartridge   | x3                                     | 3000x3 AR-SC1               | Common with cartridge for AR-FN4 & AR-FN6 |
| 11 | Staple cartridge      | Staple cartridge   | x3                                     | 5000x3 AR-SC2               | Common with cartridge for AR-FN7          |

\*1: For USA Government

Note1: Print on Master/individual carton:Toner/Developer in 2 languages (English/French), DR in 4 languages (English/French/German/Spanish).

Note2: Packed with machine: DR 50K/Developer UN/Process UN

Note3: The other maintenance parts which are not listed above are registered as service parts.

#### B. CANADA/Latin America

| NO | Name             | Content   | Life                                   | Product name     | Remark                                    |
|----|------------------|---|--|------------------|---|
| 1  | Toner CA(Black)  | Toner(Toner : Net Weight 814g)  | 27K                                    | AR-450NT         | *Life setup is based on A4 6%             |
| 2  | Developer        | Developer(Developer : Net Weight 450g)  | 100K                                   | AR-450ND         |   |
| 3  | Drum             | Drum  | x1 50K                                 | AR-450DR         |   |
| 4  | 50K PM kit       | Cleaner blade<br>Drum separation pawl<br>Screen grid<br>Toner reception seal<br>Side malt F<br>Side malt R<br>Charging plate              | x1<br>x4<br>x1<br>x1<br>x1<br>x1<br>x1 | 50K<br>AR-450KC  |   |
| 5  | 100K PM kit      | Transfer roller<br>Discharging plate<br>Paper dust removing unit<br>DV blade<br>DV side seal F<br>DV side seal R                          | x1<br>x1<br>x1<br>x1<br>x1<br>x1       | 100K<br>AR-450KA |   |
| 6  | 200K PM kit      | Upper heat roller<br>Lower heat roller<br>Fusing separation pawl (Upper )<br>Fusing separation pawl (Lower)<br>Cleaning roller<br>Bearing | x1<br>x1<br>x4<br>x2<br>x1<br>x2       | 200K<br>AR-450KB |   |
| 7  | Staple cartridge | Staple cartridge  | x3                                     | 3000x3 AR-SC1    | Common with cartridge for AR-FN4 & AR-FN6 |
| 8  | Staple cartridge | Staple cartridge  | x3                                     | 5000x3 AR-SC2    | Common with cartridge for AR-FN7          |

Note1: Print on Master/individual carton:Toner/Developer in 2 languages (English/French), DR in 4 languages (English/French/German/Spanish).

Note2: Packed with machine: DR 50K/Developer UN/Process UN

Note3: The other maintenance parts which are not listed above are registered as service parts.

### C.Europe/Australia/New Zealand

| NO | Name             | Content   | Life   | Product name | Remark                                    |
|----|------------------|---|--------|--------------|---|
| 1  | Toner CA(Black)  | Toner(Toner : Net Weight 814g)  | 27K    | AR-450T      | *Life setup is based on A4 6%             |
| 2  | Developer        | Developer(Developer : Net Weight 450g)  | 100K   | AR-450DV     |   |
| 3  | Drum             | Drum x1   | 50K    | AR-450DM     |   |
| 4  | 50K PM kit       | Cleaner blade x1<br>Drum separation pawl x4<br>Screen grid x1<br>Toner reception seal x1<br>Side malt F x1<br>Side malt R x1<br>Charging plate x1           | 50K    | AR-450KC     |   |
| 5  | 100K PM kit      | Transfer roller x1<br>Discharging plate x1<br>Paper dust removing unit x1<br>DV blade x1<br>DV side seal F x1<br>DV side seal R x1                          | 100K   | AR-450KA     |   |
| 6  | 200K PM kit      | Upper heat roller x1<br>Lower heat roller x1<br>Fusing separation pawl (Upper ) x4<br>Fusing separation pawl (Lower) x2<br>Cleaning roller x1<br>Bearing x2 | 200K   | AR-450KB     |   |
| 7  | Staple cartridge | Staple cartridge x3   | 3000x3 | AR-SC1       | Common with cartridge for AR-FN4 & AR-FN6 |
| 8  | Staple cartridge | Staple cartridge x3   | 5000x3 | AR-SC2       | Common with cartridge for AR-FN7          |

Note1: Print on Master/individual carton:4 languages (English/French/German/Spanish).

Note2: Packed with machine: DR 50K/Developer UN/Process UN

Note3: The other maintenance parts which are not listed above are registered as service parts.

### D.Middle East/ Africa

| NO | Name             | Content   | Life   | Product name | Remark                                    |
|----|------------------|---|--------|--------------|---|
| 1  | Toner CA(Black)  | Toner(Toner : Net Weight 814g)  | 27K    | AR-450FT     | *Life setup is based on A4 6%             |
| 2  | Developer        | Developer(Developer : Net Weight 450g)  | 100K   | AR-450SD     |   |
| 3  | Drum             | Drum x1   | 50K    | AR-450DR     |   |
| 4  | 50K PM kit       | Cleaner blade x1<br>Drum separation pawl x4<br>Screen grid x1<br>Toner reception seal x1<br>Side malt F x1<br>Side malt R x1<br>Charging plate x1           | 50K    | AR-450KC     |   |
| 5  | 100K PM kit      | Transfer roller x1<br>Discharging plate x1<br>Paper dust removing unit x1<br>DV blade x1<br>DV side seal F x1<br>DV side seal R x1                          | 100K   | AR-450KA     |   |
| 6  | 200K PM kit      | Upper heat roller x1<br>Lower heat roller x1<br>Fusing separation pawl (Upper ) x4<br>Fusing separation pawl (Lower) x2<br>Cleaning roller x1<br>Bearing x2 | 200K   | AR-450KB     |   |
| 7  | Staple cartridge | Staple cartridge x3   | 3000x3 | AR-SC1       | Common with cartridge for AR-FN4 & AR-FN6 |
| 8  | Staple cartridge | Staple cartridge x3   | 5000x3 | AR-SC2       | Common with cartridge for AR-FN7          |

Note1: Print on Master/individual carton:4 languages (English/French/German/Spanish).

Note2: Packed with machine: DR 50K/Developer UN/Process UN

Note3: The other maintenance parts which are not listed above are registered as service parts.

## E.Israel/Russia/CIS/Philippines

| NO | Name             | Content   | Life   | Product name | Remark                                    |
|----|------------------|---|--------|--------------|---|
| 1  | Toner CA(Black)  | Toner(Toner : Net Weight 814g)  | 27K    | AR-450FT     | *Life setup is based on A4 6%             |
| 2  | Developer        | Developer(Developer : Net Weight 450g)  | 100K   | AR-450SD     |   |
| 3  | Drum             | Drum x1   | 50K    | AR-450DR     |   |
| 4  | 50K PM kit       | Cleaner blade x1<br>Drum separation pawl x4<br>Screen grid x1<br>Toner reception seal x1<br>Side malt F x1<br>Side malt R x1<br>Charging plate x1           | 50K    | AR-450KC     |   |
| 5  | 100K PM kit      | Transfer roller x1<br>Discharging plate x1<br>Paper dust removing unit x1<br>DV blade x1<br>DV side seal F x1<br>DV side seal R x1                          | 100K   | AR-450KA     |   |
| 6  | 200K PM kit      | Upper heat roller x1<br>Lower heat roller x1<br>Fusing separation pawl (Upper ) x4<br>Fusing separation pawl (Lower) x2<br>Cleaning roller x1<br>Bearing x2 | 200K   | AR-450KB     |   |
| 7  | Staple cartridge | Staple cartridge x3   | 3000x3 | AR-SC1       | Common with cartridge for AR-FN4 & AR-FN6 |
| 8  | Staple cartridge | Staple cartridge x3   | 5000x3 | AR-SC2       | Common with cartridge for AR-FN7          |

Note1: Print on Master/individual carton:4 languages (English/French/German/Spanish).

Note2: Packed with machine: DR 50K/Developer UN/Process UN

Note3: The other maintenance parts which are not listed above are registered as service parts.

## F.Asia

| NO | Name             | Content   | Life   | Product name | Remark                                    |
|----|------------------|---|--------|--------------|---|
| 1  | Toner CA(Black)  | Toner(Toner : Net Weight 814g)  | 27K    | AR-450ST     | *Life setup is based on A4 6%             |
| 2  | Developer        | Developer(Developer : Net Weight 450g)  | 100K   | AR-450SD     |   |
| 3  | Drum             | Drum x1   | 50K    | AR-450DR     |   |
| 4  | 50K PM kit       | Cleaner blade x1<br>Drum separation pawl x4<br>Screen grid x1<br>Toner reception seal x1<br>Side malt F x1<br>Side malt R x1<br>Charging plate x1           | 50K    | AR-450KC     |   |
| 5  | 100K PM kit      | Transfer roller x1<br>Discharging plate x1<br>Paper dust removing unit x1<br>DV blade x1<br>DV side seal F x1<br>DV side seal R x1                          | 100K   | AR-450KA     |   |
| 6  | 200K PM kit      | Upper heat roller x1<br>Lower heat roller x1<br>Fusing separation pawl (Upper ) x4<br>Fusing separation pawl (Lower) x2<br>Cleaning roller x1<br>Bearing x2 | 200K   | AR-450KB     |   |
| 7  | Staple cartridge | Staple cartridge x3   | 3000x3 | AR-SC1       | Common with cartridge for AR-FN4 & AR-FN6 |
| 8  | Staple cartridge | Staple cartridge x3   | 5000x3 | AR-SC2       | Common with cartridge for AR-FN7          |

Note1: Print on Master/individual carton:4 languages (English/French/German/Spanish).

Note2: Packed with machine: DR 50K/Developer UN/Process UN

Note3: The other maintenance parts which are not listed above are registered as service parts.



## G.Hong kong

| NO | Name             | Content   | Life   | Product name | Remark                                    |
|----|------------------|---|--------|--------------|---|
| 1  | Toner CA(Black)  | Toner(Toner : Net Weight 814g)  | 27K    | AR-450ST-C   | *Life setup is based on A4 6%             |
| 2  | Developer        | Developer(Developer : Net Weight 450g)  | 100K   | AR-450SD-C   |   |
| 3  | Drum             | Drum x1   | 50K    | AR-450DR-C   |   |
| 4  | 50K PM kit       | Cleaner blade x1<br>Drum separation pawl x4<br>Screen grid x1<br>Toner reception seal x1<br>Side malt F x1<br>Side malt R x1<br>Charging plate x1           | 50K    | AR-450KC     |   |
| 5  | 100K PM kit      | Transfer roller x1<br>Discharging plate x1<br>Paper dust removing unit x1<br>DV blade x1<br>DV side seal F x1<br>DV side seal R x1                          | 100K   | AR-450KA     |   |
| 6  | 200K PM kit      | Upper heat roller x1<br>Lower heat roller x1<br>Fusing separation pawl (Upper ) x4<br>Fusing separation pawl (Lower) x2<br>Cleaning roller x1<br>Bearing x2 | 200K   | AR-450KB     |   |
| 7  | Staple cartridge | Staple cartridge x3   | 3000x3 | AR-SC1       | Common with cartridge for AR-FN4 & AR-FN6 |
| 8  | Staple cartridge | Staple cartridge x3   | 5000x3 | AR-SC2       | Common with cartridge for AR-FN7          |

Note1: Print on Master/individual carton:2 languages (English/Chinese).

Note2: Packed with machine: DR 50K/Developer UN/Process UN

Note3: The other maintenance parts which are not listed above are registered as service parts.

## H.Taiwan

| NO | Name             | Content   | Life   | Product name | Remark                                    |
|----|------------------|---|--------|--------------|---|
| 1  | Toner CA(Black)  | Toner(Toner : Net Weight 814g)  | 27K    | AR-450FT-T   | *Life setup is based on A4 6%             |
| 2  | Developer        | Developer(Developer : Net Weight 450g)  | 100K   | AR-450SD-C   |   |
| 3  | Drum             | Drum x1   | 50K    | AR-450DR-C   |   |
| 4  | 50K PM kit       | Cleaner blade x1<br>Drum separation pawl x4<br>Screen grid x1<br>Toner reception seal x1<br>Side malt F x1<br>Side malt R x1<br>Charging plate x1           | 50K    | AR-450KC     |   |
| 5  | 100K PM kit      | Transfer roller x1<br>Discharging plate x1<br>Paper dust removing unit x1<br>DV blade x1<br>DV side seal F x1<br>DV side seal R x1                          | 100K   | AR-450KA     |   |
| 6  | 200K PM kit      | Upper heat roller x1<br>Lower heat roller x1<br>Fusing separation pawl (Upper ) x4<br>Fusing separation pawl (Lower) x2<br>Cleaning roller x1<br>Bearing x2 | 200K   | AR-450KB     |   |
| 7  | Staple cartridge | Staple cartridge x3   | 3000x3 | AR-SC1       | Common with cartridge for AR-FN4 & AR-FN6 |
| 8  | Staple cartridge | Staple cartridge x3   | 5000x3 | AR-SC2       | Common with cartridge for AR-FN7          |

Note1: Print on Master/individual carton:4 languages (English/French/German/Spanish).

Note2: Packed with machine: DR 50K/Developer UN/Process UN

Note3: The other maintenance parts which are not listed above are registered as service parts.

## 2. Production number identification

### A. Drum cartridge

The lot number, printed on the front side flange, is composed of 10 digits, each digit showing the following content:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|----|
|---|---|---|---|---|---|---|---|---|----|

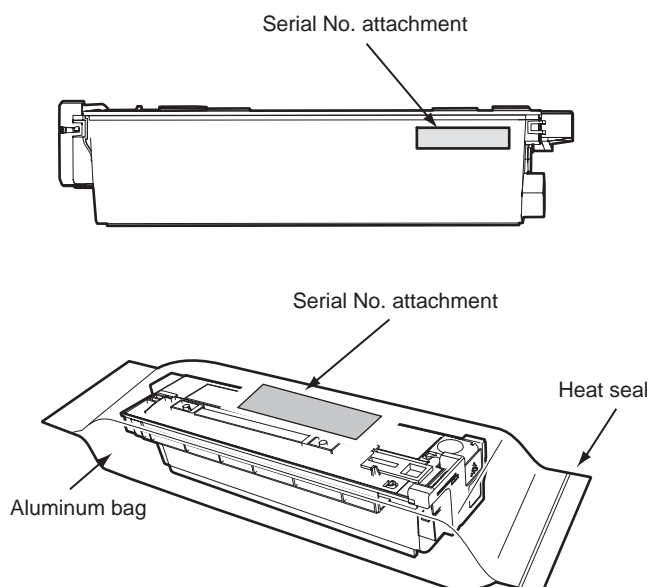
- 1 Number  
For this model, this digit is 2.
- 2 Alphabet  
Indicates the model conformity code. T for this model.
- 3 Number  
Indicates the end digit of the production year.
- 4 Number or X, Y, Z  
Indicates the production month.  
X stands for October, Y November, and Z December.
- 5/6 Number  
Indicates the production day on the month.
- 7 Number or X, Y, Z  
Indicates the month of packing.  
X stands for October, Y November, and Z December.
- 8/9 Number  
Indicates the day of the month of packing.
- 10 Alphabet  
Indicates the production factory. "A" for Nara Plant.

### B. Toner cartridge

The lot number is of 7 digits, and each digit indicates as follows.  
The lot number shall be printed in the position shown in the figure.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|
|---|---|---|---|---|---|---|

- 1 Version number (A - sequentially revised)
- 2 Numeral figure  
Indicates the end digit of the production year.
- 3 Alphabet  
Indicates the production factory. (B for SOCC)
- 4 Destination code
- 5,6 Numeral figures  
Indicates the production day.
- 7 Numeral figure or X, Y, Z  
Indicates the production month.  
X stands for October, Y November, and Z December.



### C. Developer cartridge

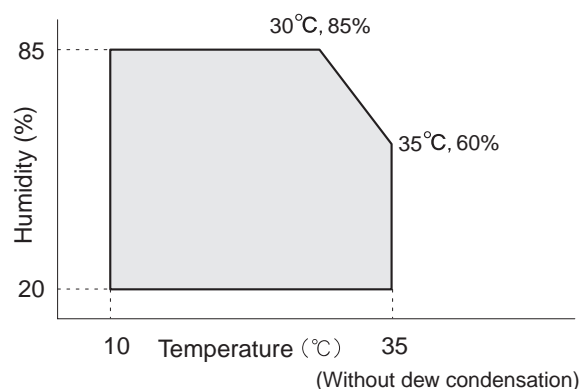
The lot number is of 10 digit, and each digit indicates as follows.  
The lot number shall be printed on the bag.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|----|
|---|---|---|---|---|---|---|---|---|----|

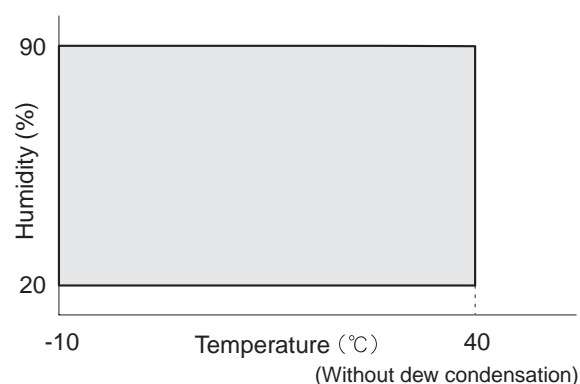
- 1 Number  
For this model, this digit is 2.
- 2 Alphabet  
Indicates the model conformity code. T for this model.
- 3 Number  
Indicates the end digit of the production year.
- 4 Number or X, Y, Z  
Indicates the production month.  
X stands for October, Y November, and Z December.
- 5/6 Number  
Indicates the production day on the month.
- 7 Number or X, Y, Z  
Indicates the month of packing.  
X stands for October, Y November, and Z December.
- 8/9 Number  
Indicates the day of the month of packing.
- 10 Alphabet  
Indicates the production factory. "A" for Nara Plant.

## 3. Environmental conditions

### A. Operating conditions

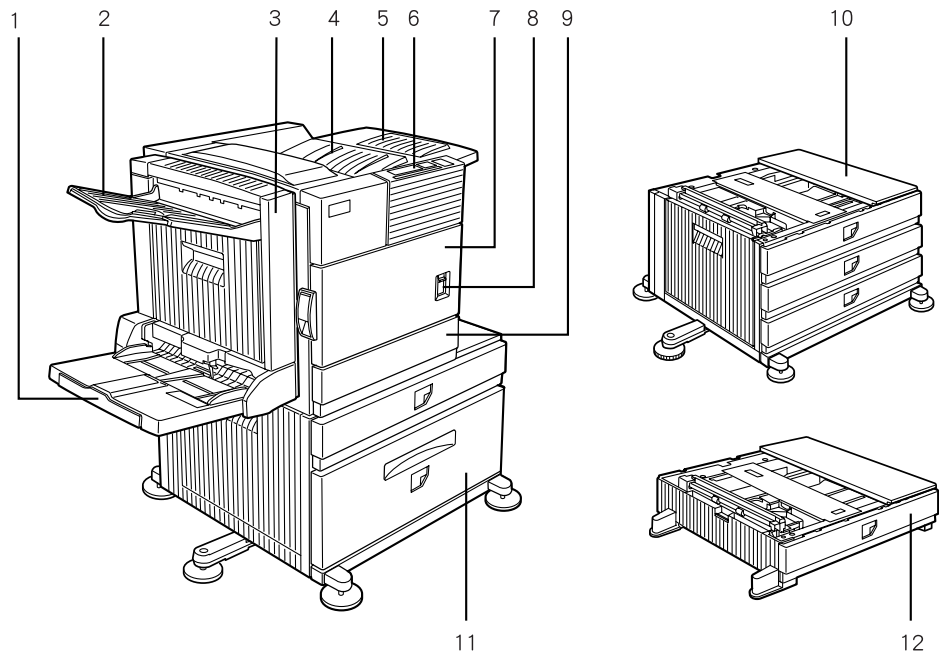


### B. Storage conditions



[5] EXTERNAL VIEWS AND INTERNAL STRUCTURES

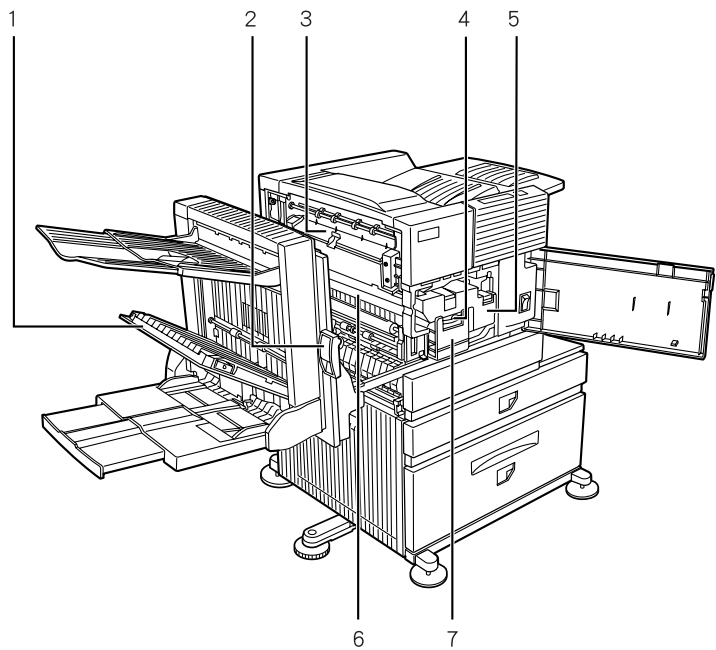
1.Appearance



|    |                                    |   |    |                                       |   |    |                      |   |
|----|------------------------------------|---|----|---------------------------------------|---|----|----------------------|---|
| 1  | Bypass tray                        | * | 2  | Exit tray                             | * | 3  | Duplex module        | * |
| 4  | Upper paper output area            |   | 5  | Upper exit tray extension             | * | 6  | Operation panel      |   |
| 7  | Front cover                        |   | 8  | Main switch                           |   | 9  | Paper tray 1         |   |
| 10 | Stand / 3 x 500 sheet paper drawer | * | 11 | Stand / MPD & 2000 sheet paper drawer | * | 12 | Multi purpose drawer | * |

\* 1, 2, 3, 5, 10, 11, and 12 are peripheral units. The configuration of peripheral units varies with the main unit model.

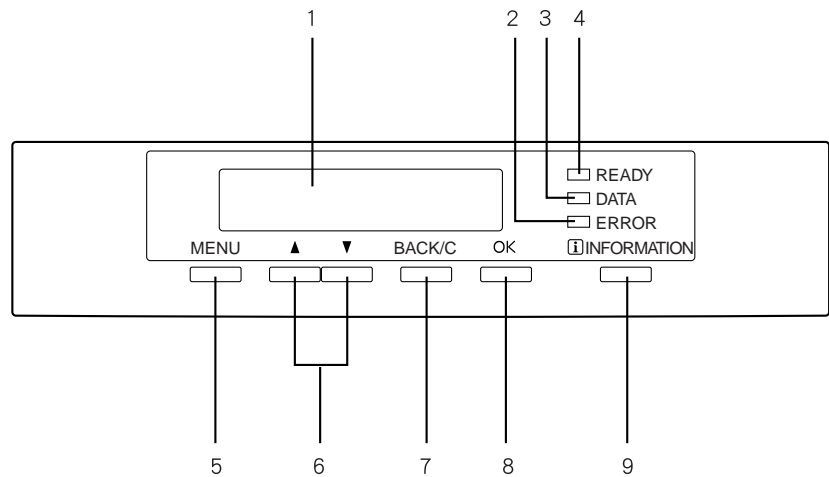
2.Internal



|   |                          |   |                      |   |                      |
|---|--------------------------|---|----------------------|---|----------------------|
| 1 | Duplex module side cover | 2 | Side cover open knob | 3 | Fusing unit          |
| 4 | Developer cartridge      | 5 | Toner cartridge      | 6 | Photoconductive drum |
| 7 | Cartridge lock lever     |   |                      |   |                      |

3.Operation panel

\* This operation panel is valid only when a scanner unit is not installed.



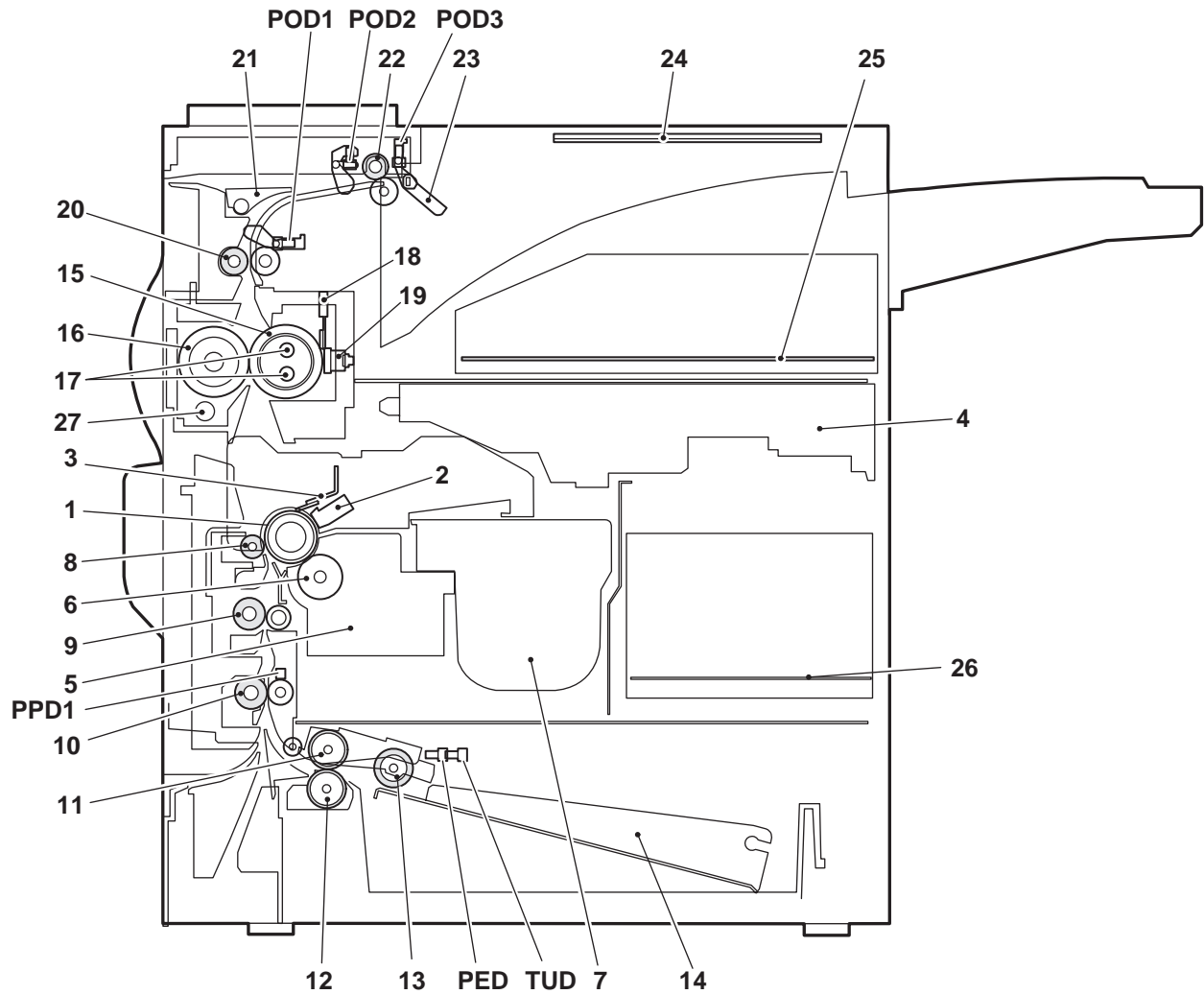
|   |                   |   |                   |   |                   |
|---|-------------------|---|-------------------|---|-------------------|
| 1 | Message display   | 2 | [ERROR] indicator | 3 | [DATA] indicator  |
| 4 | [READY] indicator | 5 | [MENU] key        | 6 | [▲/▼] keys        |
| 7 | [BACK/C] key      | 8 | [OK] key          | 9 | [INFORMATION] key |

<Function of each LED>

|       | READY                       | DATA   | ERROR  |
|-------|-----------------------------|--|--|
| ON    | Print job reception enable  | When RIP-completed print data are stored in memory.        | When a trouble which can be canceled by the user occurred. |
| Flash |                             | When data are processed in the printer board (during RIP). | When a trouble which requires service call occurred.       |
| OFF   | Print job reception disable | Neither print data nor data under process are stored.      | No trouble   |

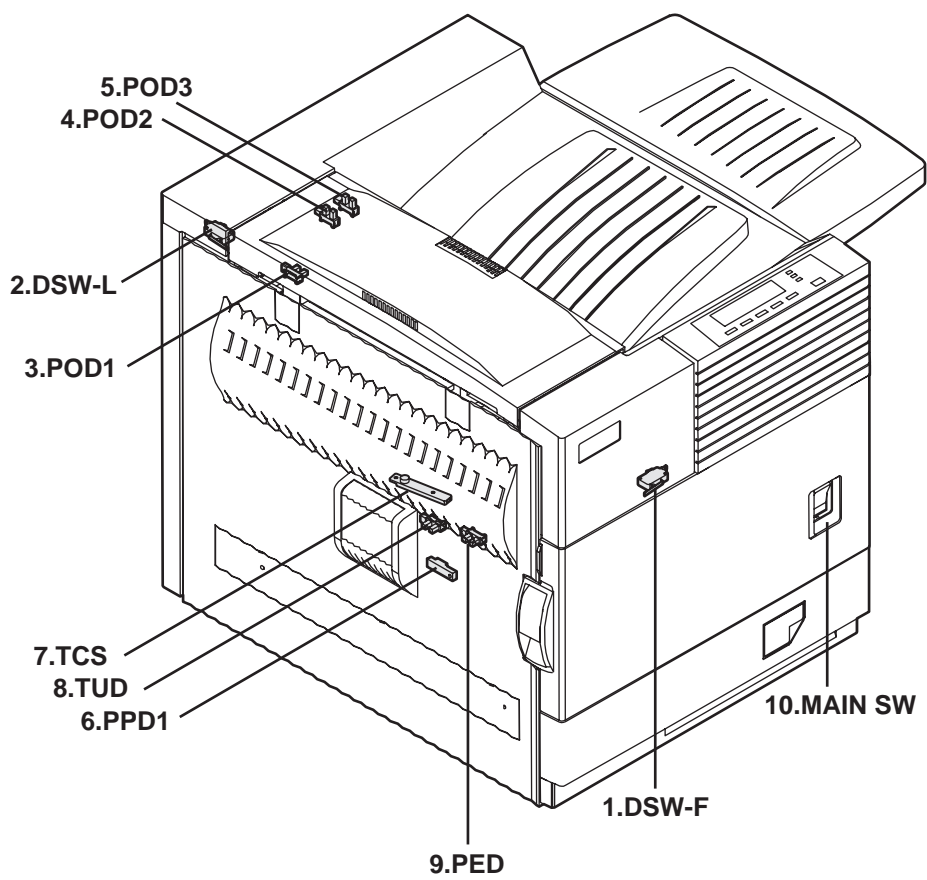
\* RIP:Raster In Processor. Develops the print command into pixel information.

#### 4. Cross sectional view



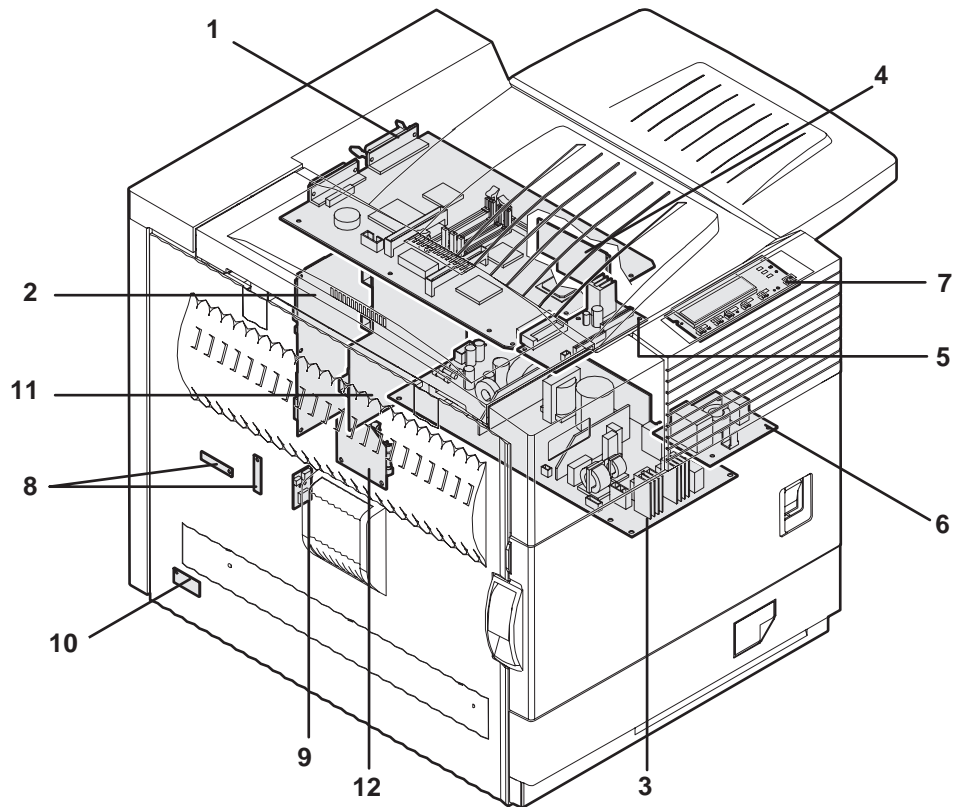
| No. | Name   | No. | Name                     |
|-----|--|-----|--------------------------|
| 1   | OPC drum                                     | 15  | Upper heat roller        |
| 2   | Main charger                                 | 16  | Pressure roller          |
| 3   | Cleaning blade                               | 17  | Heater lamp              |
| 4   | LSU  | 18  | Thermistor (RTH1 / RTH2) |
| 5   | Developing unit                              | 19  | Thermostat               |
| 6   | Magnet roller                                | 20  | Fusing back roller       |
| 7   | Toner hopper                                 | 21  | Reverse gate             |
| 8   | Transfer roller                              | 22  | Paper exit roller        |
| 9   | Resist roller                                | 23  | Full detection lever     |
| 10  | Paper transport roller                       | 24  | Printer operation PWB    |
| 11  | Machine tray (Paper tray1) paper feed roller | 25  | Printer control PWB      |
| 12  | Machine tray (Paper tray1) separation roller | 26  | Power supply unit        |
| 13  | Machine tray (Paper tray1) take-up roller    | 27  | Cleaning roller          |
| 14  | Machine tray (Paper tray1) rotating plate    |     |                          |

5. Switch, Sensor



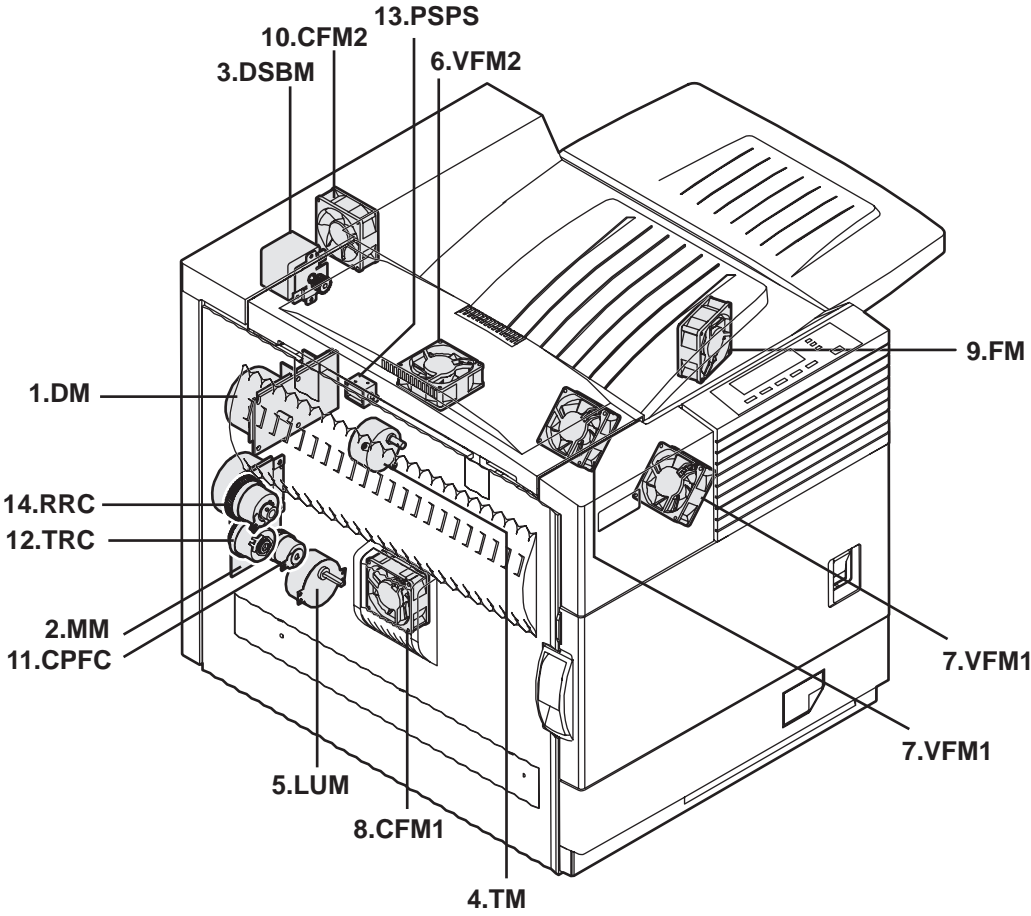
|    | Code    | Function/Operation                        | Active condition         |
|----|---------|---|--------------------------|
| 1  | DSW-F   | Front door open/close detection           | H= Door open             |
| 2  | DSW-L   | Left door open/close detection            | H=Door open              |
| 3  | POD1    | Paper exit detection                      | L= Paper detection       |
| 4  | POD2    | Paper exit detection                      | L= Paper detection       |
| 5  | POD3    | Paper exit detection Full                 | L= Paper detection       |
| 6  | PPD1    | Paper transport detection                 | L= Paper detection       |
| 7  | TCS     | Toner concentration sensor                |                          |
| 8  | TUD     | Paper feed cassette upper limit detection | H= Upper limit detection |
| 9  | PED     | Paper feed cassette paper empty detection | L= Paper empty detection |
| 10 | MAIN SW | Power switch                              |                          |

## 6. PWB



|    | Name                      | Function/Operation  |
|----|---------------------------|---|
| 1  | PRT controller            | Image process, image data communication control               |
| 2  | PCU PWB                   | Overall control of the machine and options                    |
| 3  | Power supply unit         | DC power supply   |
| 4  | LD PWB (Inside LSU)       | Laser ON control (Inside LSU: LSU cannot be disassembled.)    |
| 5  | Mother PWB                | Signal interface between PCU and the controller               |
| 6  | Filter PWB                | AC power input  |
| 7  | Printer operation PWB     | Key input, machine state display                              |
| 8  | High voltage resistor PWB | High voltage load adjustment                                  |
| 9  | Cassette detection PWB    | Paper cassette control  |
| 10 | Drawer PWB                | Fan control   |
| 11 | High voltage PWB          | High voltage power supply                                     |
| 12 | Fuse PWB                  | Protection of the machine when an abnormal power is supplied. |

7. Motor, Clutch, Solenoid



|    | Code | Function/Operation               | Type              |
|----|------|----------------------------------|-------------------|
| 1  | DM   | Drum motor                       | Brushless motor   |
| 2  | MM   | Main motor                       | Brushless motor   |
| 3  | DSBM | Paper exit motor                 | Stepping motor    |
| 4  | TM   | Toner motor                      | Synchronous motor |
| 5  | LUM  | Lift-up motor                    | Synchronous motor |
| 6  | VFM2 | Heat exhaust fan motor           | Fan motor         |
| 7  | VFM1 | Cooling fan motor                | Fan motor         |
| 8  | CFM1 | Suction fan motor                | Fan motor         |
| 9  | FM   | Controller cooling fan motor     | Fan motor         |
| 10 | CFM2 | Ozone exhaust fan motor          | Fan motor         |
| 11 | CPFC | Paper cassette paper feed clutch |                   |
| 12 | TRC  | Paper transport clutch           |                   |
| 13 | PSPS | Separation solenoid              |                   |
| 14 | RRC  | Resist roller clutch             |                   |



# [6] UNPACKING AND INSTALLATION

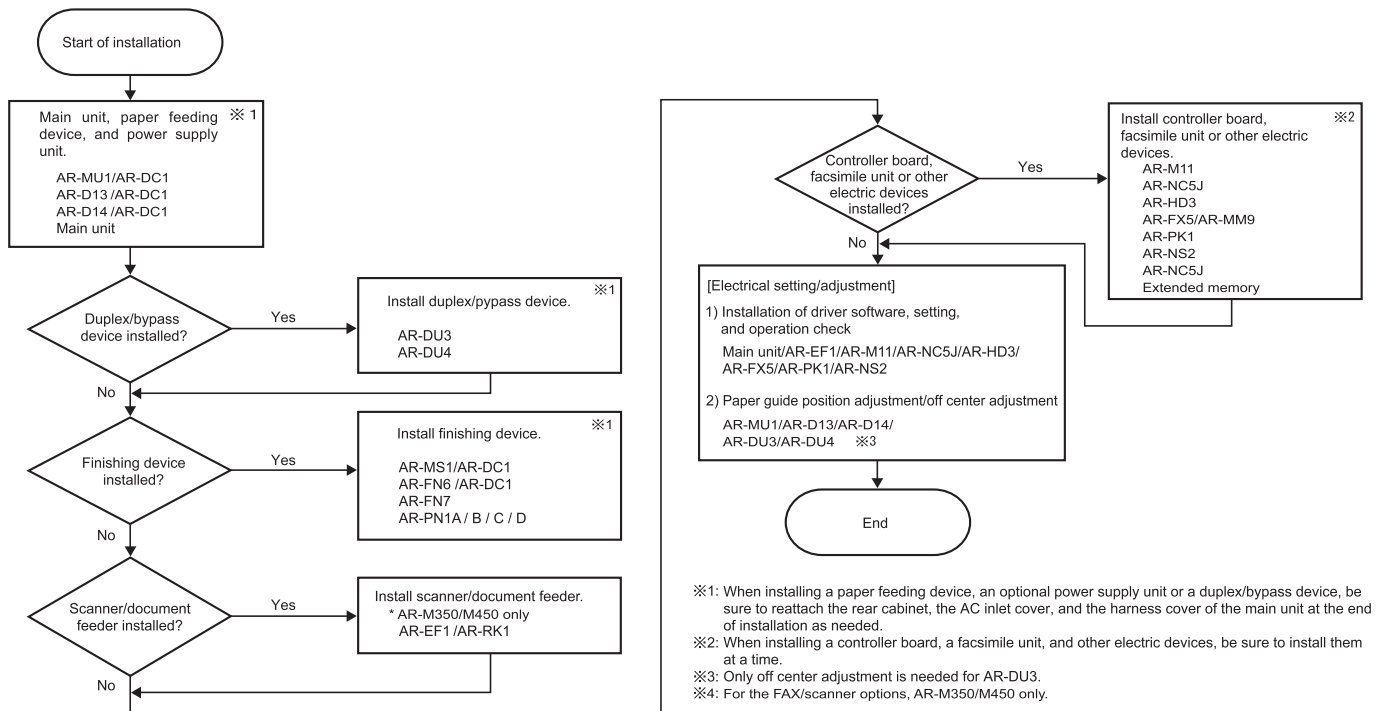
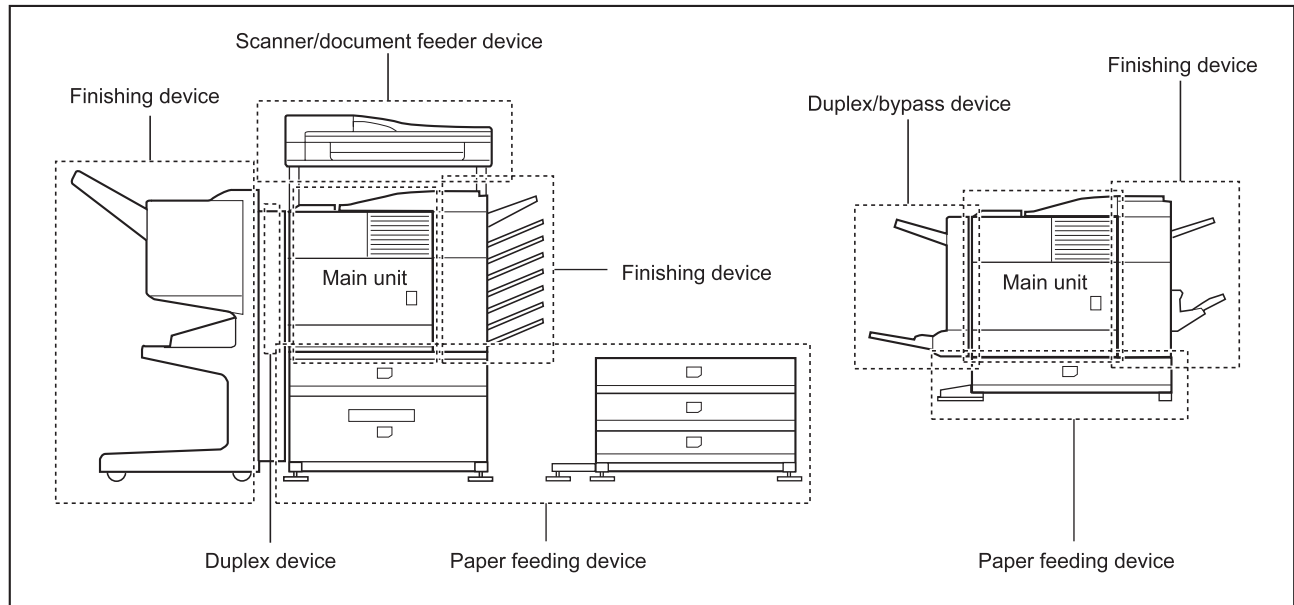
## 1. Installing procedure flowchart

There are many combinations between this machine and option units. For installing option units, observe the following procedures for efficiency.

To install the devices efficiently, follow the procedure below.

Some peripheral devices may have been installed as standard devices depending on the main unit model.

Part of descriptions and illustrations may be different.

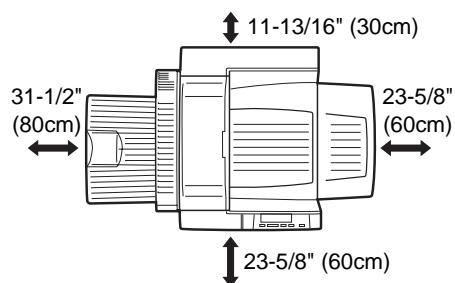


\* For installation of an option unit, refer to the Service Manual of the option unit.

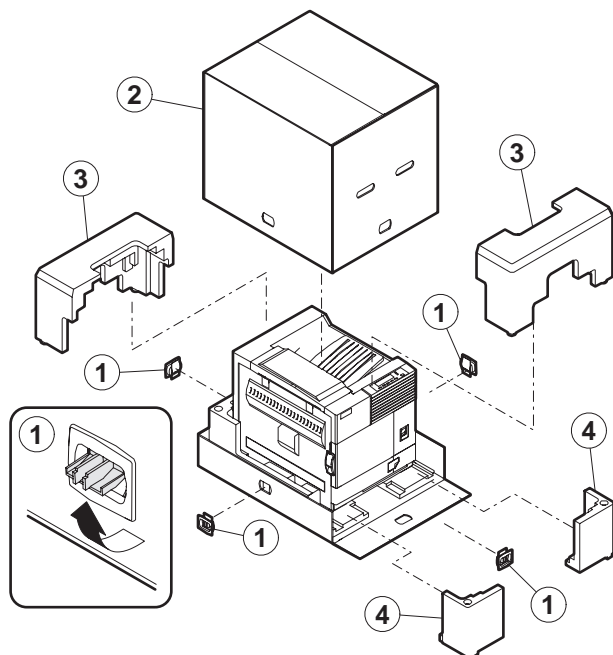
## 2. Note for installation place

Improper installation may damage this product. Please note the following during initial installation and whenever the machine is moved.

- 1) The machine should be installed near an accessible power outlet for easy connection.
- 2) Be sure to connect the power cord only to a power outlet that meets the specified voltage and current requirements. Also make certain the outlet is properly grounded.
  - For the power supply requirements, see the name plate of the main unit.
- 3) Do not install your machine in areas that are:
  - damp, humid, or very dusty
  - exposed to direct sunlight
  - poorly ventilated
  - subject to extreme temperature or humidity changes, e.g., near an air conditioner or heater.
- 4) Be sure to allow the required space around the machine for servicing and proper ventilation.



## 3.Unpacking procedure



Check the following items are included in the package.

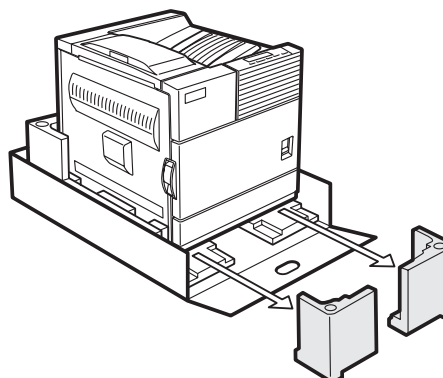
|                                       |  |
|---------------------------------------|--|
| Developer                             |  |
| Toner cartridge for installation      |  |
| CD-ROM for AR-350/450 series printers |  |
| Operating Manual                      |  |
| Counter kit contract                  |  |

## 4. Machine installing procedure

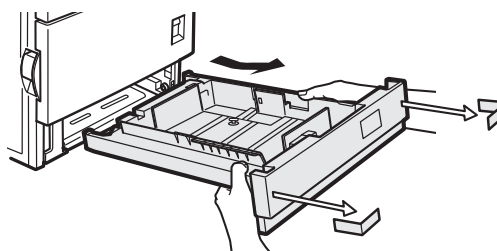
Note: In advance to installation of the machine, the paper feed option units (AR-MU1, AR-D13 or AR-D14) should have been installed.

### A. Removal of the machine

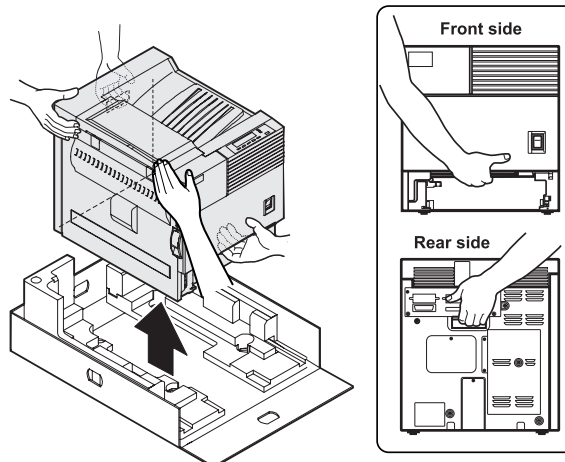
- 1) Remove the cushioning materials from the right and left of the front side.



- 2) Remove the locking tape from the right and left sides of the tray. Then, Remove the top of the carton and lower the plastic bag covering the machine while the machine is still on the carton base.
- 3) Remove the packing tape from the paper tray, pull out the paper tray until it stops and remove it by tilting it upward.



- 4) One person must lift by the empty front tray pocket with the right hand and steady the machine with the left hand placed at the upper left of the machine. The other person must lift with the right hand by using the lifting recess in the rear of the machine and also steady the machine with the left hand as shown in the illustration.



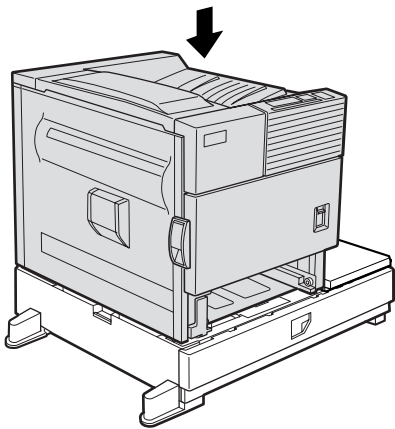
Note: The center of gravity of the machine lies in the left side when viewed from the Back of machine. When lifting the machine, be careful not to drop it.

## B. Installation of paper feed options to the machine

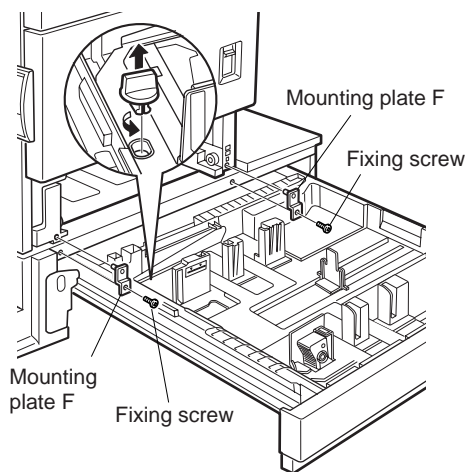
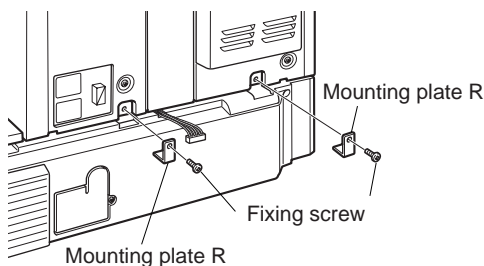
Note: Before use of this machine, one of the paper feed option units (AR-D13/AR-D14/AR-MU1) should be installed to the machine for safety reasons.

Refer to the drawing of the AR-MU1 in this manual.

- 1) Put the machine on the previously installed option unit.  
Be sure to check that the boss of the option unit is securely engaged with the machine and that the external lines (front and left sides) of the option unit and those of the machine are aligned completely.



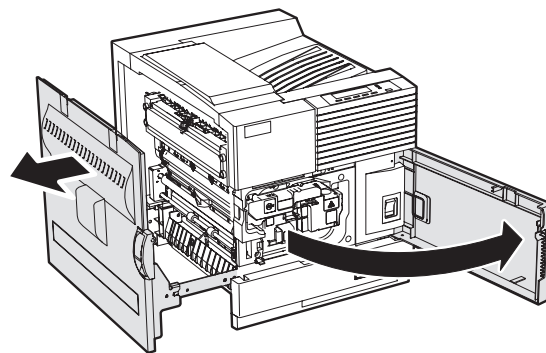
- 2) Connect the machine with the option unit.



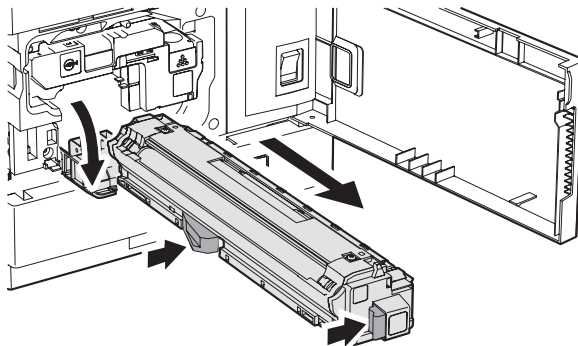
- 3) Install the option power source (AR-DC1).  
\* For necessity of installation, refer to the option combination.  
\* For the installing procedure, refer to the AR-DC1 Service Manual.

## C. Setting related to process

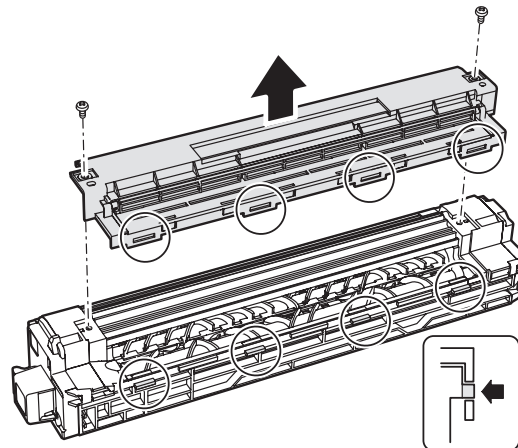
- 1) Open the left door and the front door.



- 2) Remove the developer cartridge from the machine.

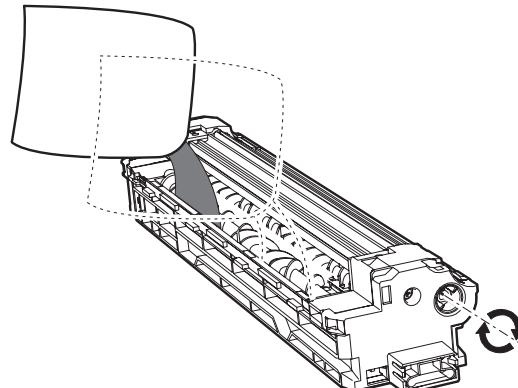


- 3) Remove the top cover of the developer cartridge.



- 4) While rotating the MG roller, supply developer into the developer cartridge evenly.B

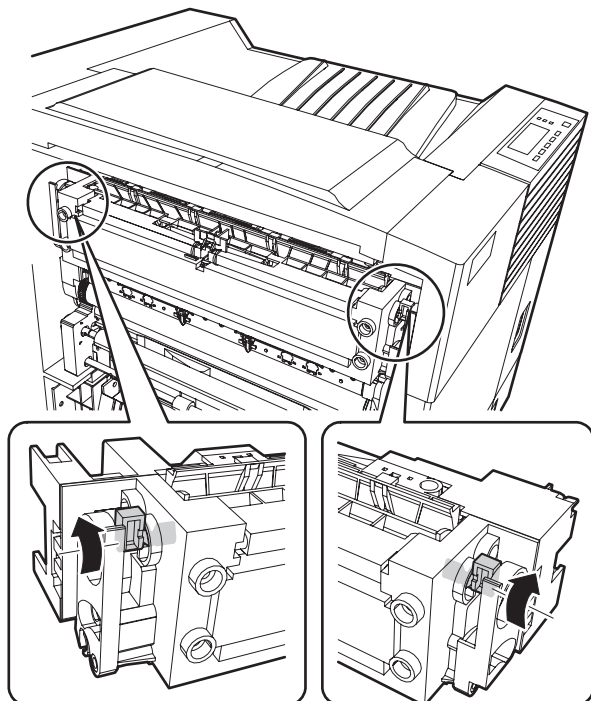
Note: Before opening the developer seal, shake it 4 or 5 times.



- 5) Attach the top cover to the developer cartridge and install the cartridge to the machine.

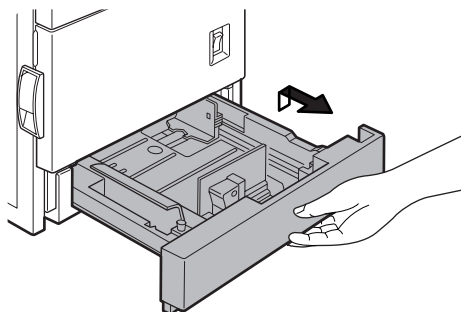
## D. Setting related to fusing

- 1) Put down the right and the left levers of the fusing unit in the arrow direction.

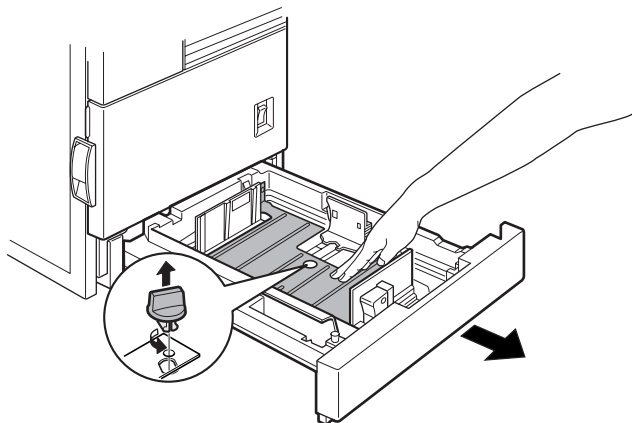


## E. Paper setting

- 1) Pull out the first stage paper feed tray. Slowly pull out the tray until it stops.



- 2) While pressing the paper holding plate, remove the fixing pin.



- 3) Put paper in the tray, and close the paper feed tray.

## F. Automatic developer adjustment

- 1) Attach the cabinets which were removed.
- 2) Close the left door and the front door.
- 3) Insert the power plug into the power outlet.
- 4) While pressing the [MENU] key and the [OK] key, turn on the power switch, and the machine will enter the diag mode.
- 5) On the operation menu, select "AUTOMATIC DV AD."

(LCD Display)

AUTOMATIC DV ADJ.  
128

- 6) Press the [OK] key, and the automatic developer adjustment will be performed.  
During execution of the automatic developer adjustment, the data (LED) blinks and the LCD indicates the toner sensor value.
- 7) After about 2 min, the adjustment value is stored in the machine. Check that the mode was normally completed.  
Normal end: The data LED goes off.  
Abnormal end: The error LED lights up.  
Remove the cause of the error, and execute the automatic developer adjustment again.
- 8) Turn off/on the power, and the machine returns to the normal mode and enters the warm-up mode.

## G. Print test

- 1) After completion of warm-up (normal mode), Press the [MENU] key to display "USER SETTING."
- 2) Press the [OK] key to select the menu.
- 3) Use [▲] and [▼] keys to select List Print, and print the user setup list to check the print quality.
- 4) Press the [MENU] key again to return to the normal menu.

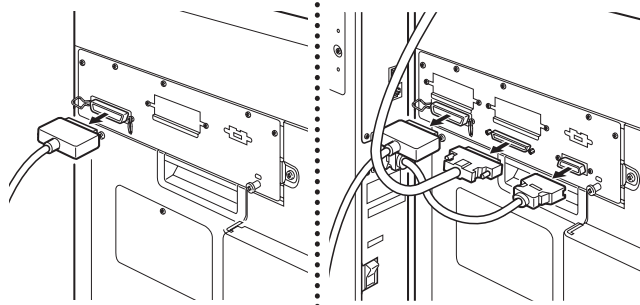
## 5. Option expansion memory installation

### A. Hard disk (ARHD3), print server card (AR-NC5J), expansion memory (commercially available one)

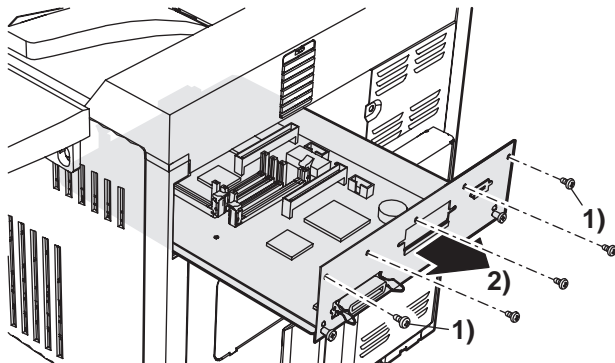
Note: Before performing this installation work, check that the data lamp on the operation panel is neither lighting nor blinking.

- 1) Turn off the power of the machine and disconnect the power plug from the power outlet.
- 2) Remove all the cables (such as printer cables) from the control PWB.

★ In the case of the printer control PWB    ★ In the case of the MFP control PWB

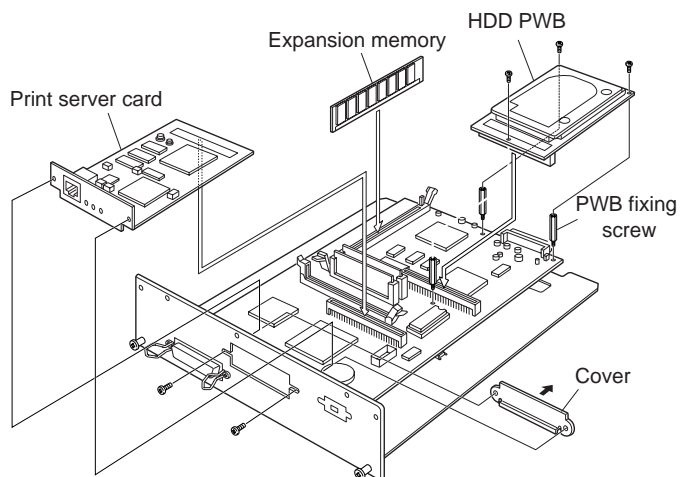


- 3) Remove the control PWB.



- 4) Install each option.

#### <Printer model>



Note: To prevent breakage by static electricity, take the following measures.

- a. Use an earth band for installing procedures.
  - b. Keep the memory in the protection bag, and remove it from the bag only just before installation.
- 5) Install the control PWB to the machine.
  - 6) Attach the cables which were removed before installation of the memory.
  - 7) Insert the power plug into the power outlet, and turn on the power.

### B. Print test

- 1) Press the [MENU] key to display "USER SETTING."
- 2) Press the [OK] key to select the menu.
- 3) Use [▲] and [▼] keys to select List Print, and print the setup list or demonstration page to check the print quality.
- 4) Press the [MENU] key again to return to the normal menu.

### C. PS3 expansion kit (AR-PK1) product key input procedure

- 1) Enter the key operator program mode.
  - 2) Select the PS3 expansion kit product key input menu.
  - 3) Enter the product key which was acquired in advance.
- \* To acquire the soft key, the application number which is specified on "AR-PK1 Installation Manual" of the AR-230/270 series and the product series number of the printer are required.

### D. Other options

For installation of the other options, refer to the Service Manual of each option.

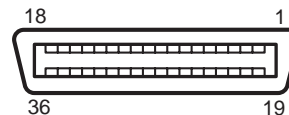
## 6. Connecting the machine to a computer

- 1) Connect the machine to the computer

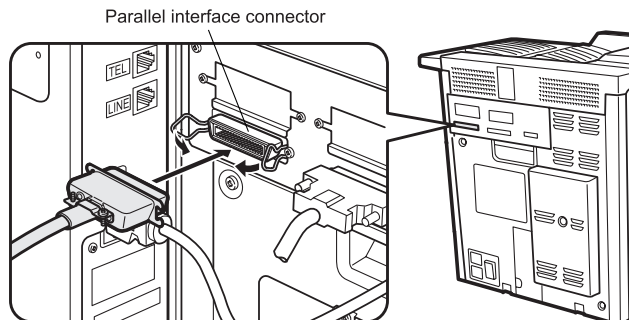
#### a. When connecting to a parallel port

The parallel interface of this machine conforms to IEEE - STD - 1284 - 1983.

Use a commercially available shielded type parallel interface cable conforming to the specifications of both the machine and the computer. The connector on this machine is a 36-pin Amphenol female connector.



For the specifications of the connector on the computer, see the operation manual of the computer.



#### b. When using this machine as a network printer

A Print Server Card (AR-NC5J) is required to connect the machine to a network. See the separate installation manual for and also the manual contained in PDF format on the CD supplied with the print server card.

\* If another peripheral device must be installed, carry out the following step at the end of the installation work.

- 2) Insert the power plug into an outlet.  
Caution: If the outlet is also used for lighting fixtures, the lighting fixtures may flicker.  
Use an outlet which is not connected to lighting fixtures.
- 3) Turn on the main switch of the main unit.  
Automatic level adjustment of toner density sensor will start and a message indicating [WARMING UP] will appear on the operation panel. After the level adjustment is complete, the ready indicator will light up.

Caution: While automatic adjustment of the toner density sensor is being done, do not turn the power to the machine off. This will cause improper adjustment.



# [7] DISASSEMBLY AND ASSEMBLY, MAINTENANCE

## 1. Self print of setup value

By using the self print mode (Pattern 98) of diag, the setup values and the jam history of the machine can be printed.  
Before maintenance and disassembly procedures, they must be printed in advance.

## 2.Maintenance System Table

### A. Engine section

Maintenance cycle : 50K

× Check (Clean, replace, or adjust as necessary.)

○ Clean

▲ Replace

△ Adjust

☆ Lubricate

□ Move position

| Unit name                  | Part name                  | When calling | 50K | 100K | 150K | 200K | 250K | 300K | 350K | 400K | Remark   |
|----------------------------|----------------------------|--------------|-----|------|------|------|------|------|------|------|--|
| Drum peripheral            | Drum                       |              | ▲   | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    | Installed when shipping  |
|                            | Cleaner blade              |              | ▲   | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    |  |
|                            | Toner reception seal       |              | ▲   | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    |  |
|                            | Side molt                  |              | ▲   | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    |  |
|                            | Transfer roller            | ×            | ×   | ▲    | ×    | ▲    | ×    | ▲    | ×    | ▲    |  |
|                            | Discharge plate            | ×            | ×   | ▲    | ×    | ▲    | ×    | ▲    | ×    | ▲    |  |
|                            | TR bearing (F/R)           |              |     | ×    |      | ×    |      | ×    |      | ▲    |  |
|                            | Transfer roller collar     |              |     | ×    |      | ×    |      | ×    |      | ▲    |  |
|                            | After-transfer star ring   |              |     | ×    |      | ×    |      | ×    |      | ×    |  |
|                            | TR gear                    | ×            | ×   | ×    | ×    | ▲    | ×    | ×    | ×    | ▲    |  |
|                            | Screen grid                | (○)×         | ▲   | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    |  |
|                            | Drum separation pawl UN    |              | ▲   | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    |  |
|                            | Charger case (M/C)         |              | ○   | ○    | ○    | ○    | ○    | ○    | ○    | ○    |  |
|                            | Charging plate (saw teeth) | (○)×         | ▲   | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    |  |
| Developing section         | Developer                  |              | ×   | ▲    | ×    | ▲    | ×    | ▲    | ×    | ▲    | Supplied when installing   |
|                            | DV blade                   |              | ×   | ▲    | ×    | ▲    | ×    | ▲    | ×    | ▲    |  |
|                            | DSD collar                 |              | ○   | ○    | ○    | ○    | ○    | ○    | ○    | ○    |  |
|                            | DV side seal F             |              | ×   | ▲    | ×    | ▲    | ×    | ▲    | ×    | ▲    |  |
|                            | DV side seal R             |              | ×   | ▲    | ×    | ▲    | ×    | ▲    | ×    | ▲    |  |
|                            | Toner cartridge            |              |     |      |      |      |      |      |      |      | Attached when installing./<br>EX Japan: 814g,<br>user replacement for every 27K. |
| Fusing section             | Upper heat roller          |              | ○   | ○    | ○    | ▲    | ○    | ○    | ○    | ▲    |  |
|                            | Lower heat roller          |              | ○   | ○    | ○    | ▲    | ○    | ○    | ○    | ▲    |  |
|                            | Upper separation pawl      |              | ▲   | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    |  |
|                            | Lower separation pawl      |              | ▲   | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    | ▲    |  |
|                            | Thermistor                 |              | ○   | ×    | ○    | ×    | ○    | ×    | ○    | ×    | Clean and remove paper dust.   |
|                            | Upper heat roller gear     |              | ×   | ×    | ×    | ▲    | ×    | ×    | ×    | ▲    |  |
|                            | Paper guides               | ○            | ○   | ○    | ○    | ○    | ○    | ○    | ○    | ○    |  |
|                            | Gears                      |              | ☆   | ☆    | ☆    | ☆    | ☆    | ☆    | ☆    | ☆    |  |
|                            | Cleaning roller            |              | ×   | ×    | ×    | ▲    | ×    | ×    | ×    | ▲    |  |
|                            | CL roller collar           |              |     |      |      | ▲    |      |      |      | ▲    |  |
|                            |                            |              |     |      |      |      |      |      |      |      |  |
| Filters                    | Ozone filter               |              |     | ▲    |      | ▲    |      | ▲    |      | ▲    |  |
| Paper feed section         | Paper feed roller          | ○            | ○   | ×    | ○    | ×    | ○    | ×    | ○    | ×    | Note 1   |
|                            | Torque limiter             | ×            |     | ×    |      | ×    |      | ×    |      | ×    | Note 1   |
| Transport section          | PS follower roller         | ○            | ○   | ○    | ○    | ○    | ○    | ○    | ○    | ○    |  |
| Paper exit reverse section | Transport rollers          | ○            | ○   | ○    | ○    | ○    | ○    | ○    | ○    | ○    |  |
|                            | Transport paper guides     | ○            | ○   | ○    | ○    | ○    | ○    | ○    | ○    | ○    |  |
|                            | Paper dust remover         |              | ×   | ▲    | ×    | ▲    | ×    | ▲    | ×    | ▲    |  |
| Drive section              | Specified position         | ☆            | ☆   | ☆    | ☆    | ☆    | ☆    | ☆    | ☆    | ☆    |  |
|                            | Belts                      |              |     |      |      |      |      | ×    |      |      |  |
| Image quality              |                            | ×            | ×   | ×    | ×    | ×    | ×    | ×    | ×    | ×    |  |
| Other                      | Sensors                    |              |     | ×    |      | ×    |      | ×    |      | ×    |  |

Note 1: Replacement reference: Use the counter value of each paper feed port as the replacement reference.

Paper feed roller/Torque limiter section: 80K or 2 years

## B. Peripheral devices

Maintenance cycle : 50K

× Check (Clean, replace, or adjust as necessary.)

○ Clean

▲ Replace

△ Adjust

☆ Lubricate

□ Move position

| Option name                                | Part name                     |                        | When calling | 50K | 100K | 150K | 200K | 250K | 300K | 350K | 400K                                | Remark  |
|--|-------------------------------|------------------------|--------------|-----|------|------|------|------|------|------|-------------------------------------|---|
| ADU<br>+ Manual feed                       | Paper feed separation section | Paper feed rollers     | (○)×         | ○   | ×    | ○    | ×    | ○    | ×    | ○    | ×                                   | Note 3  |
|  |                               | Separation pad         | (○)×         | ○   | ×    | ○    | ×    | ○    | ×    | ○    | ×                                   | Note 3  |
|  |                               | Torque limiter         | (○)×         |     | ×    |      | ×    |      | ×    |      | ×                                   | Note 3  |
|  | Transport section             | Transport rollers      | ○            | ○   | ○    | ○    | ○    | ○    | ○    | ○    | ○                                   |   |
|  |                               | Transport paper guides | ○            | ○   | ○    | ○    | ○    | ○    | ○    | ○    | ○                                   |   |
|  | Drive section                 | Gears                  | ☆            |     | ☆    |      | ☆    |      | ☆    |      | ☆                                   | (Specified position)  |
|  |                               | Belts                  |              |     |      |      |      |      | ×    |      |                                     |   |
|  | Other                         | Sensors                | ×            |     | ×    |      | ×    |      | ×    |      | ×                                   |   |
| Desk<br>(Multi stage LCC)<br>Multi purpose | Paper feed separation section | Paper feed rollers     | (○)×         | ○   | ×    | ○    | ×    | ○    | ×    | ○    | ×                                   | Note 3  |
|  |                               | Torque limiter         | (○)×         |     | ×    |      | ×    |      | ×    |      | ×                                   | Note 3  |
|  | Transport section             | Transport roller       | ○            | ○   | ○    | ○    | ○    | ○    | ○    | ○    | ○                                   |   |
|  |                               | Transport paper guides | ○            | ○   | ○    | ○    | ○    | ○    | ○    | ○    | ○                                   |   |
|  | Drive section                 | Gears                  | ☆            |     | ☆    |      | ☆    |      | ☆    |      | ☆                                   | (Specified position)  |
|  |                               | Belts                  |              |     |      |      |      |      | ×    |      |                                     |   |
|  | Other                         | Sensors                | ×            |     | ×    |      | ×    |      | ×    |      | ×                                   |   |
|  |                               | Discharge brush        | ×            |     | ×    |      | ×    |      | ×    |      | ×                                   |   |
| Finisher                                   | Transport section             | Transport rollers      | ○            |     | ○    |      | ○    |      | ○    |      | ○                                   |   |
|  |                               | De-curler roller       | (○)×         | ×   | ○    | ×    | ○    | ×    | ○    | ×    | ○                                   |   |
|  |                               | Transport paper guides | ○            |     | ○    |      | ○    |      | ○    |      | ○                                   |   |
|  | Drive section                 | Gears                  | ☆            |     | ☆    |      | ☆    |      | ☆    |      | ☆                                   | (Specified position)  |
|  |                               | Belts                  |              |     |      |      |      |      | ×    |      |                                     |   |
|  | Other                         | Sensors                | ×            |     | ×    |      | ×    |      | ×    |      | ×                                   |   |
|  |                               | Discharge brush        | ×            |     | ×    |      | ×    |      | ×    |      | ×                                   |   |
|  | Staple un                     |                        |              |     |      |      |      |      |      |      |                                     | Replace UN at 100K staple.  |
| Staple cartridge                           |                               |                        |              |     |      |      |      |      |      |      | User replacement for every 3000pcs. |   |
| Mail-bin stacker                           | Transport section             | Transport roller       | ○            |     | ○    |      | ○    |      | ○    |      | ○                                   |   |
|  |                               | Transport paper guides | ○            |     | ○    |      | ○    |      | ○    |      | ○                                   |   |
|  | Drive section                 | Gears                  | ☆            |     | ☆    |      | ☆    |      | ☆    |      | ☆                                   | (Specified position)  |
|  |                               | Belts                  |              |     |      |      |      |      | ×    |      |                                     |   |
|  | Other                         | Sensors                | ×            |     | ×    |      | ×    |      | ×    |      | ×                                   |   |
|  |                               | Discharge brush        | ×            |     | ×    |      | ×    |      | ×    |      | ×                                   |   |
| Saddle finisher                            | Transport section             | Transport roller       | ○            |     | ○    |      | ○    |      | ○    |      | ○                                   |   |
|  |                               | Transport paper guides | ○            |     | ○    |      | ○    |      | ○    |      | ○                                   |   |
|  | Drive section                 | Gears                  | ☆            |     | ☆    |      | ☆    |      | ☆    |      | ☆                                   | (Specified position)  |
|  |                               | Belts                  |              |     |      |      |      |      | ×    |      |                                     |   |
|  | Other                         | Sensors                | ×            |     | ×    |      | ×    |      | ×    |      | ×                                   |   |
|  |                               | Discharge brush        | ×            |     | ×    |      | ×    |      | ×    |      | ×                                   |   |
|  | Staple UN                     |                        |              |     |      |      |      |      |      |      |                                     | Replace UN at 100K staple (including the staple UN and the holder section). |
|  | Staple cartridge              |                        |              |     |      |      |      |      |      |      |                                     | User replacement for every 5000 pcs.  |

Note 3: Replacement reference: Use the counter value of each paper feed port as the replacement reference.

Paper feed roller/Separation pad/Torque limiter section: 80K or 2 years

### 3. Disassembly and assembly

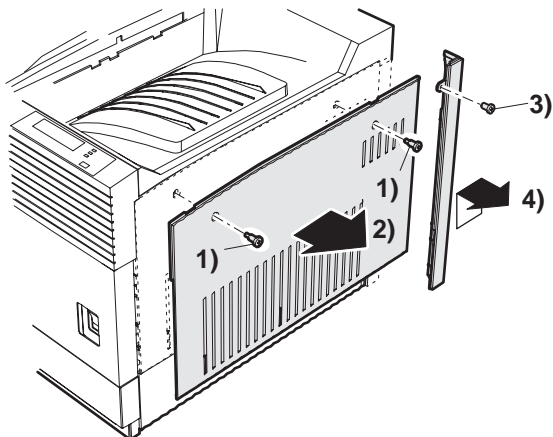
**Note:**

- When assembling, check that the flat cable and the harness connectors are securely connected.
- When connecting the flat cable, be careful not to break the pins.
- When installing the PWB unit and the memory module, use an earth band to prevent against breakage by static electricity.

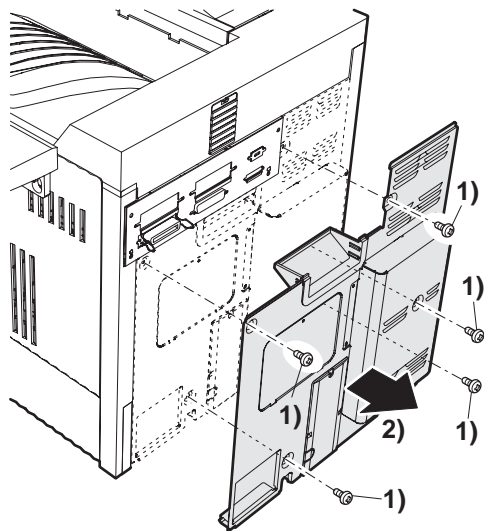
#### A. Exterior

##### (1) Right cabinet/Right rear cabinet

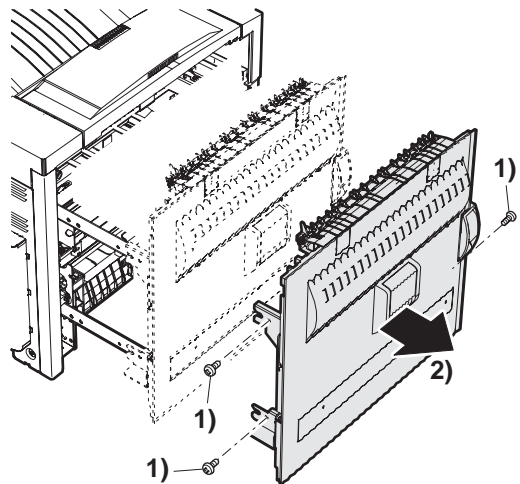
Remove the right cabinet, and then remove the right rear cabinet.



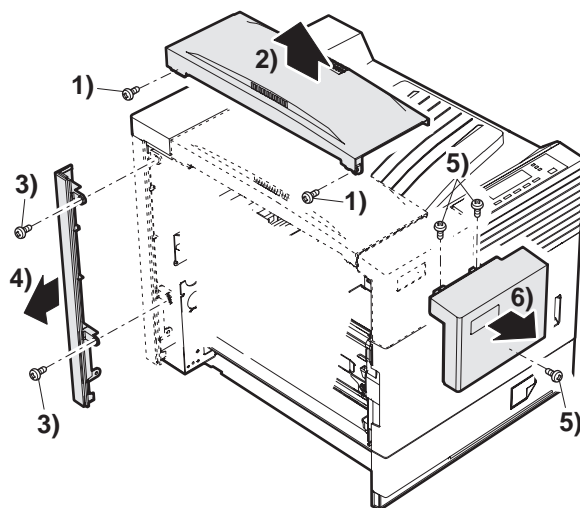
##### (2) Rear cabinet



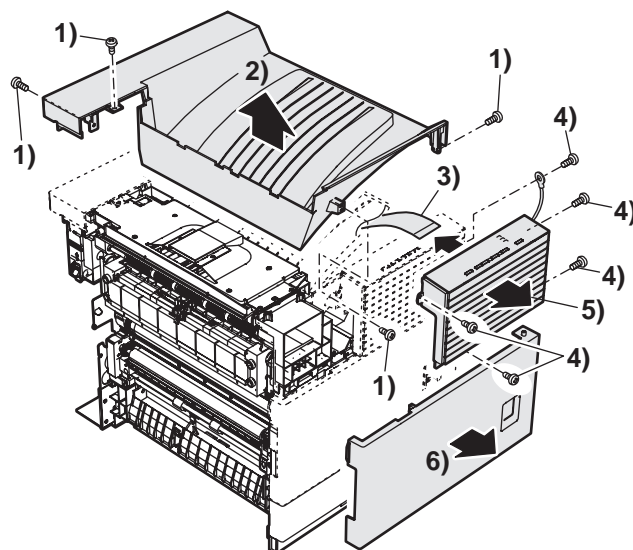
##### (3) Left door unit



##### (4) Paper exit upper cabinet/Front left upper cabinet/Left rear cabinet



##### (5) Upper cabinet/Operation panel/Front door

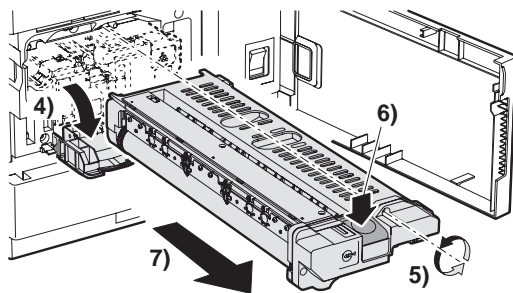
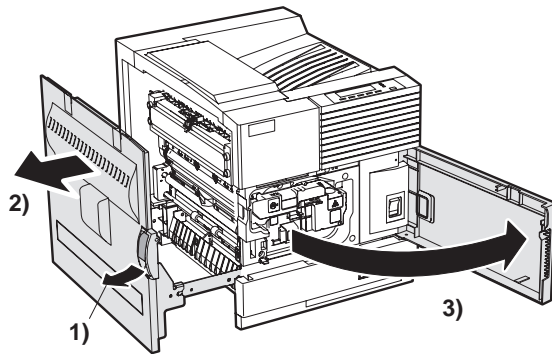




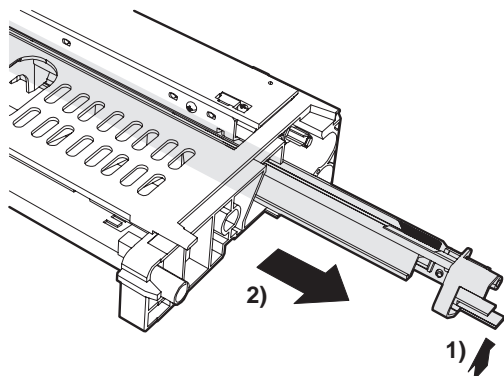
## B. Drum peripheral

### (1) Drum cartridge

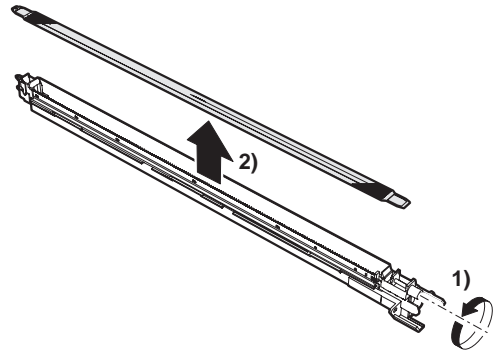
| No. | Name                      | Job item | Cycle |
|-----|---------------------------|----------|-------|
| 1   | Drum                      | Replace  | 50K   |
| 2   | Cleaner blade             | Replace  | 50K   |
| 3   | Toner reception seal      | Replace  | 50K   |
| 4   | Side molt F               | Replace  | 50K   |
| 5   | Side molt R               | Replace  | 50K   |
| 6   | Transfer roller           | Check    | 50K   |
|     |                           | Replace  | 100K  |
| 7   | Discharge plate           | Check    | 50K   |
|     |                           | Replace  | 100K  |
| 8   | TR bearing (F/R)          | Check    | 100K  |
| 9   | Transfer roller collar    | Check    | 100K  |
| 10  | After-transfer star ring  | Check    | 100K  |
| 11  | TR gear                   | Check    | 50K   |
|     |                           | Replace  | 200K  |
| 12  | Screen grid               | Replace  | 50K   |
| 13  | Drum separation pawl UN   | Replace  | 50K   |
| 14  | Charger case(M/C)         | Cleaning | 50K   |
| 15  | Charging plate(saw teeth) | Replace  | 50K   |



### (2)Charger case

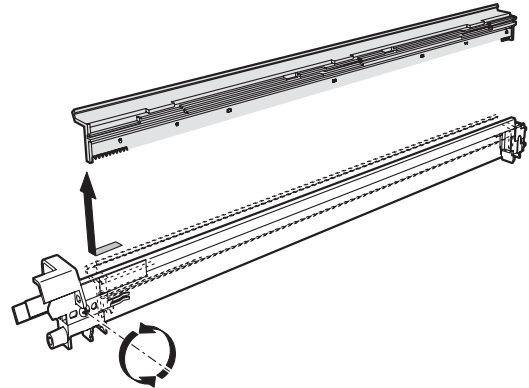


### (3) Screen grid



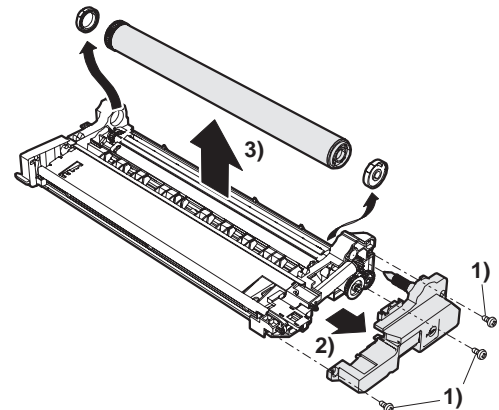
### (4) Main charger

Loosen the screw and remove the charger.



### (5)OPC drum/DSD collar

\* When removing the drum, place the cartridge as shown in the figure, and then remove.



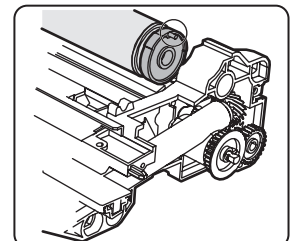
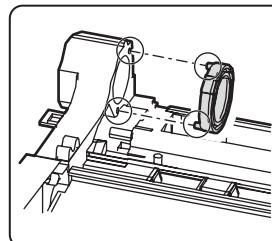
Note: When replacing the OPC drum, clear the following counters:

- Drum rotating time counter
- Drum counter

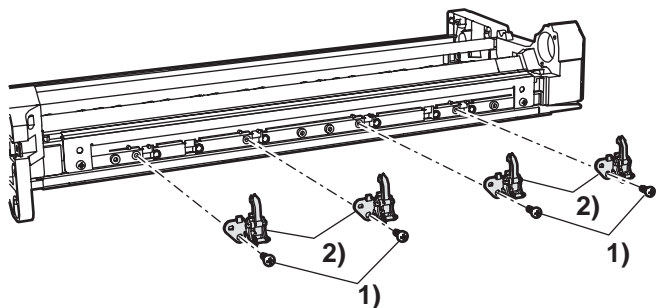
When installing a new OPC drum, apply starting powder to it.

When assembling, attach the DSD collar R to the frame.

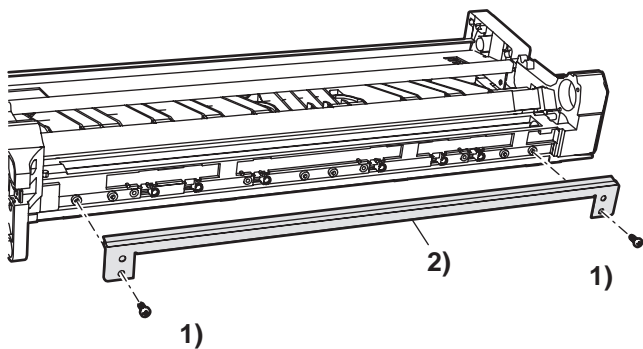
When installing the collar, engage the collar boss with the hole in the drum frame.



## (6) Drum separation pawl

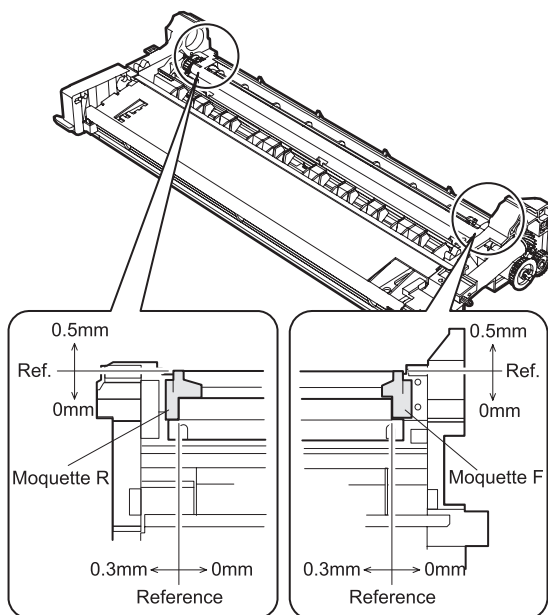
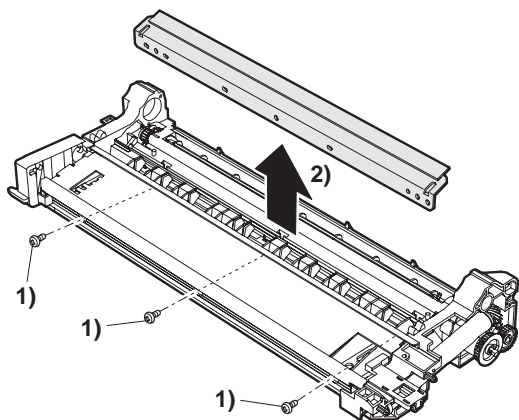


\* Be careful not to break the tip of the separation pawl.



## (7) Cleaner blade

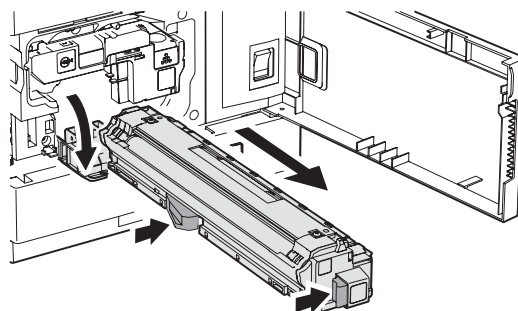
\* When removing the cleaning blade, toner may spill. Refer to the figure.



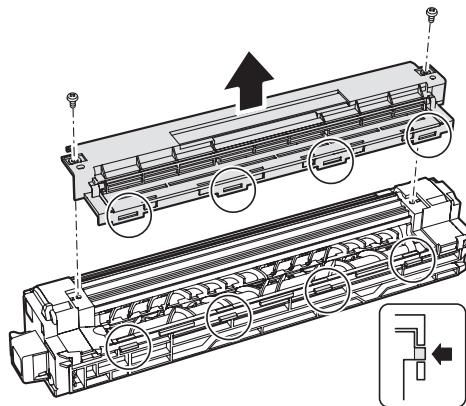
## C. DV cartridge

| No. | Name           | Job item | Cycle |
|-----|----------------|----------|-------|
| 1   | Developer      | Check    | 50K   |
|     |                | Replace  | 100K  |
| 2   | DV blade       | Check    | 50K   |
|     |                | Replace  | 100K  |
| 3   | DV side seal F | Check    | 50K   |
|     |                | Replace  | 100K  |
| 4   | Dv side seal R | Check    | 50K   |
|     |                | Replace  | 100K  |

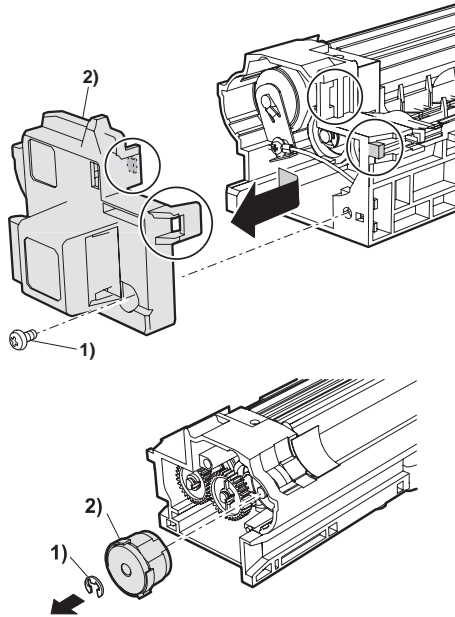
### (1) DV cartridge



### (2) Upper cover



### (3) R cover/clutch



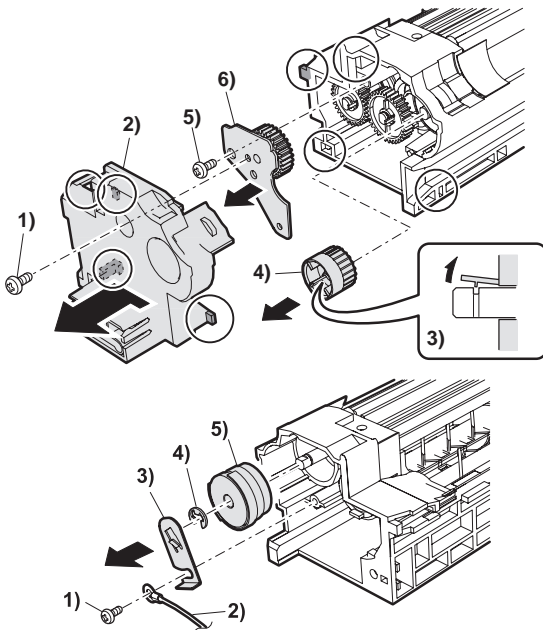
Note: After developer is replaced, clear the following counters:

- Developer counter
- Developing motor RPM counter

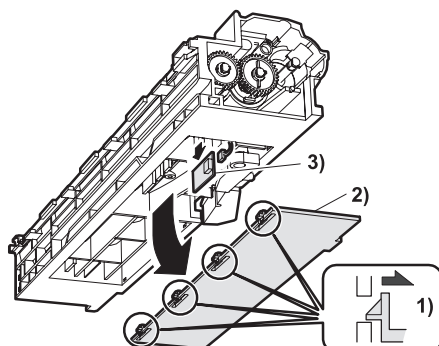
When new developer is supplied, be sure to perform the auto DV adjustment.

Before execution of the "automatic DV adjustment," be sure to clear the above counter.

### (4) F cover/gear/clutch



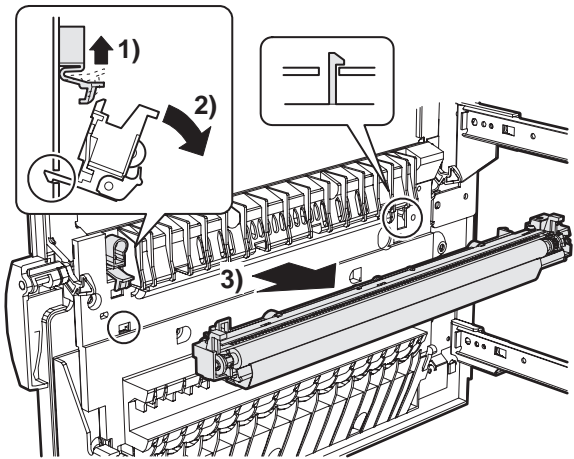
### (5) Bottom cover/Process Thermistor



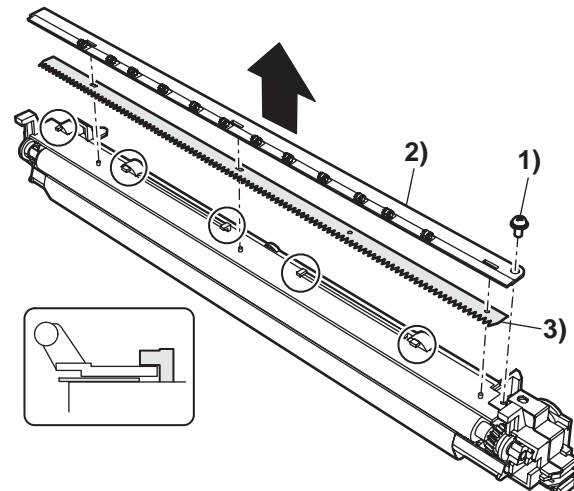
### D. Transfer roller unit

| No. | Name            | Job item | Cycle |
|-----|-----------------|----------|-------|
| 1   | Transfer roller | Check    | 50K   |
|     |                 | Replace  | 100K  |

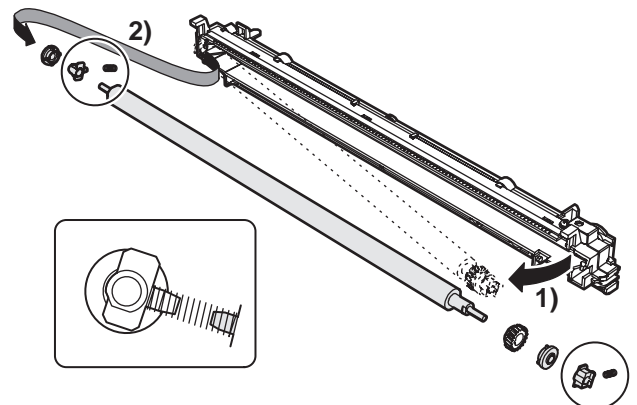
With the left door open, the transfer roller unit can be removed.



#### (1) Discharge plate



#### (2) Transfer roller

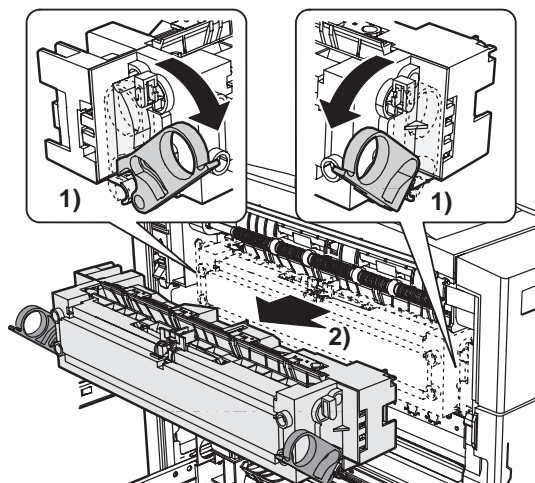
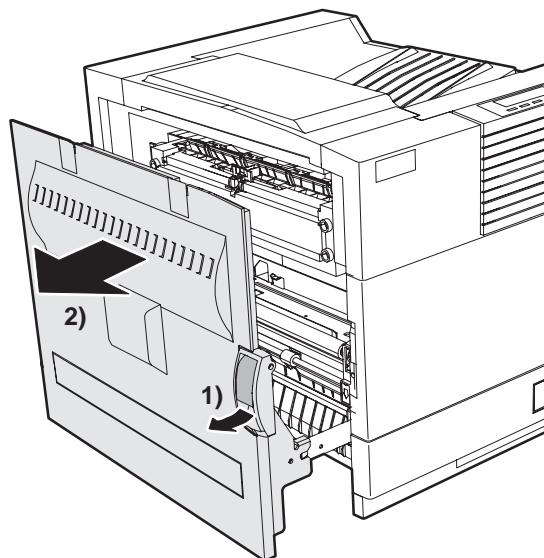


\* When assembling, first assemble the front side and insert it into the case. Then install the rear side. That is an easy method of assembly.

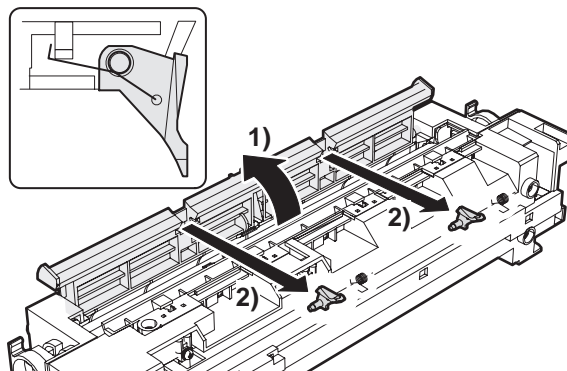
## E. Fusing unit

| No. | Name                   | Job item | Cycle |
|-----|------------------------|----------|-------|
| 1   | Upper heat roller      | Cleaning | 50K   |
|     |                        | Replace  | 200K  |
| 2   | Lower heat roller      | Cleaning | 50K   |
|     |                        | Replace  | 200K  |
| 3   | Upper separation pawl  | Replace  | 50K   |
| 4   | Lower separation pawl  | Replace  | 50K   |
| 5   | Thermistor             | Cleaning | 50K   |
|     |                        | Check    | 100K  |
| 6   | Upper heat roller gear | Check    | 50K   |
|     |                        | Replace  | 200K  |
| 7   | Paper guides           | Cleaning | 50K   |
| 8   | Cleaning roller        | Check    | 50K   |
|     |                        | Replace  | 200K  |
| 9   | CL roller collar       | Replace  | 200K  |

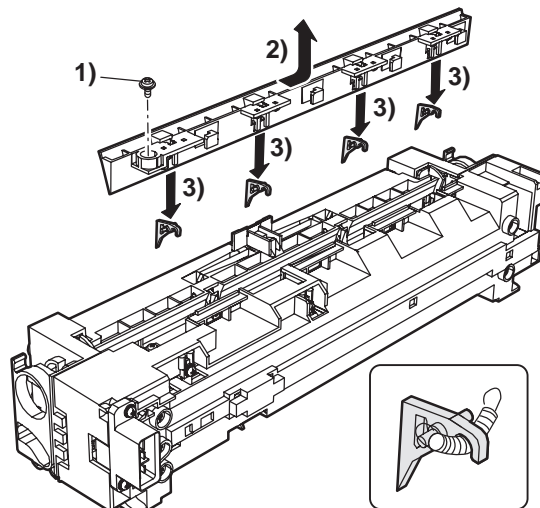
With the left door open, the fusing unit can be removed.



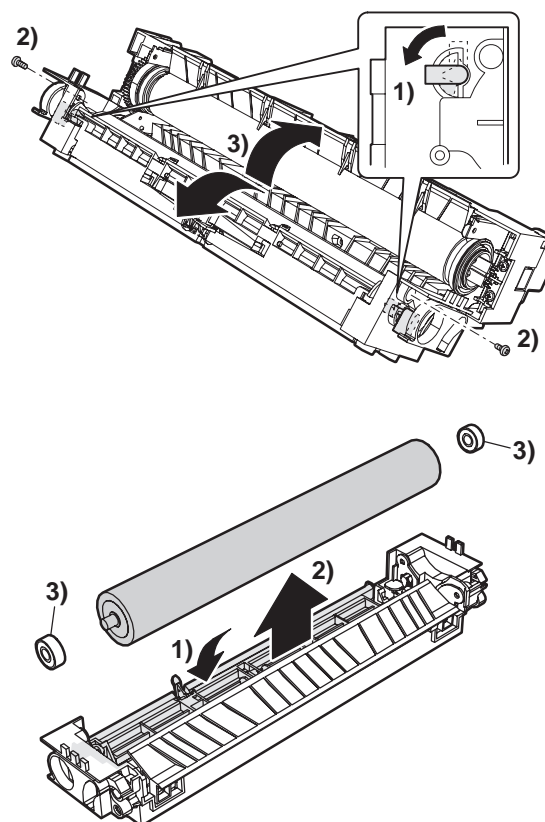
### (1) Lower separation pawl



### (2) Upper separation pawl

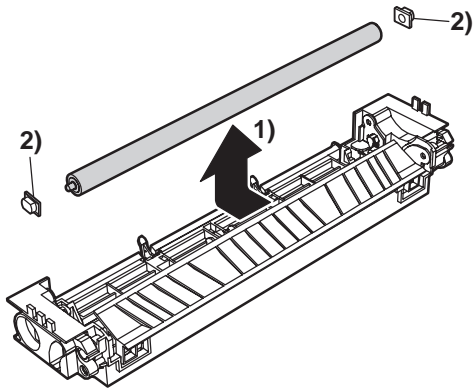


### (3) Lower heat roller



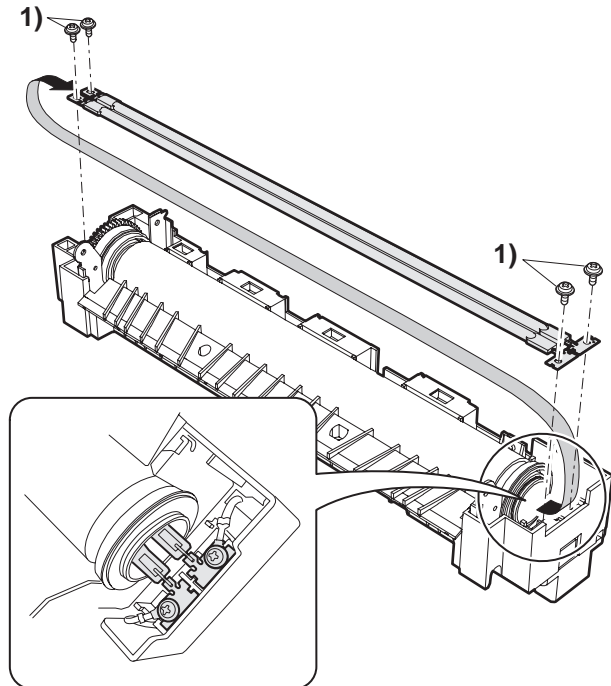


#### (4)Cleaning roller

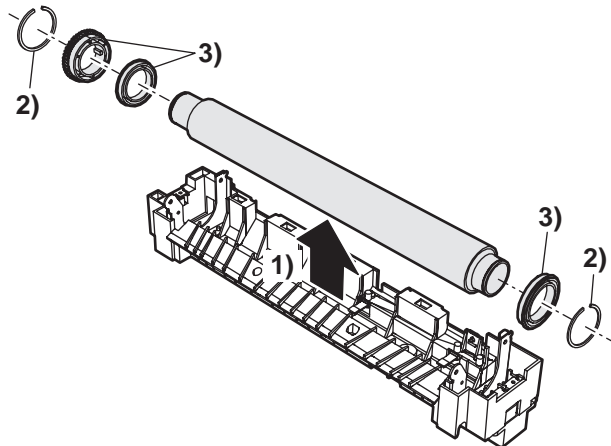


#### (5)Heater lamp

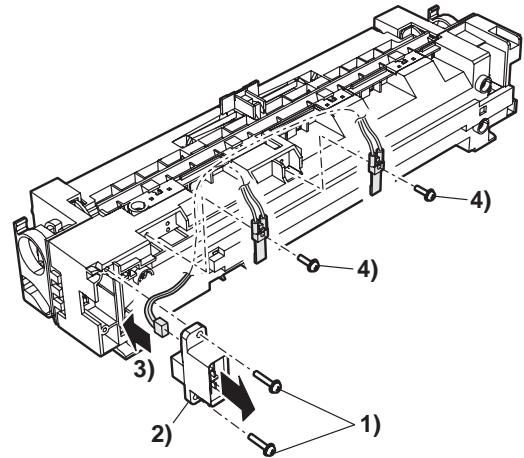
Be careful not to mistake the installing position of the heater lamp.



#### (6)Upper heat roller

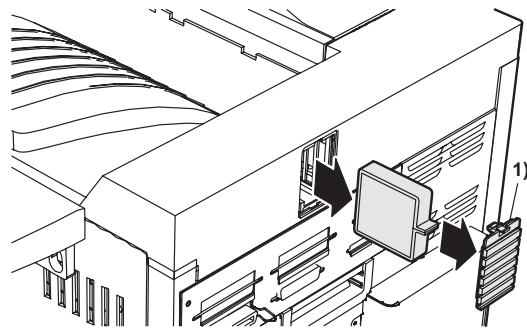


#### (7)Thermistor



#### F. Ozone filter

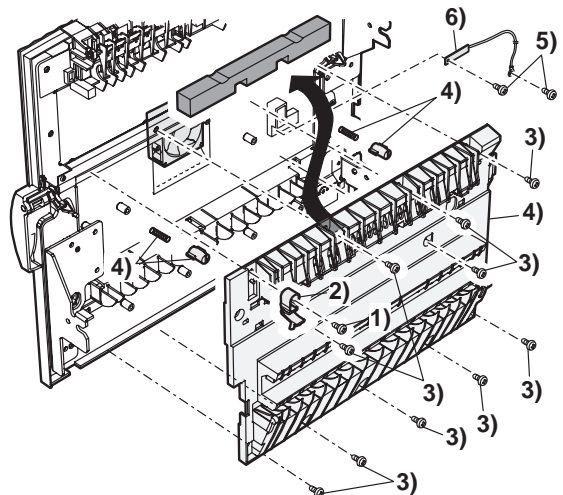
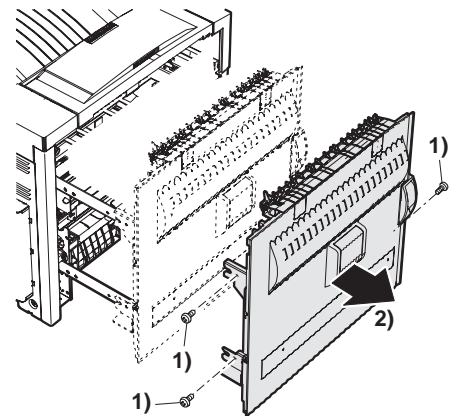
##### (1)Ozone filter



##### (2)Ozone filter

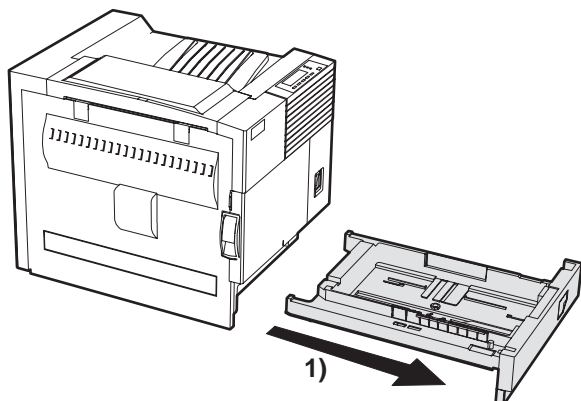
Note: Not subject to maintenance

This part is not included in the PM kit.

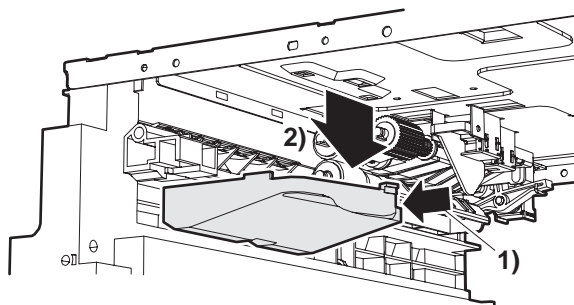


## G. Paper feed section

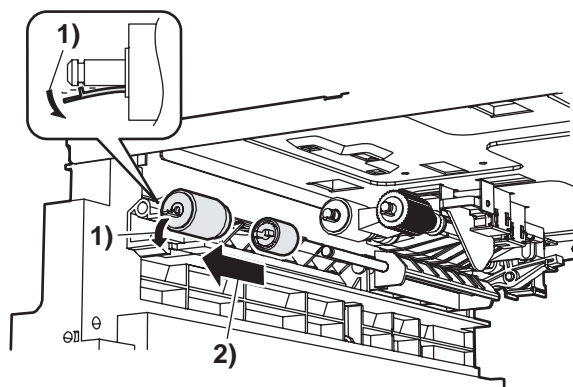
| No. | Name              | Job item | Cycle |
|-----|-------------------|----------|-------|
| 1   | Separation roller | Replace  | 80K   |
| 2   | Pick-up roller    | Replace  | 80K   |
| 3   | Paper feed roller | Replace  | 80K   |



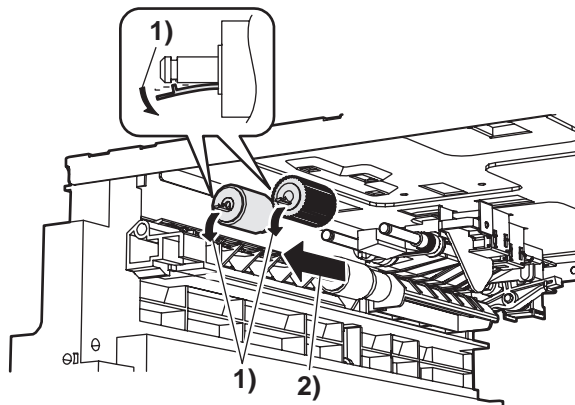
(1) Paper guide



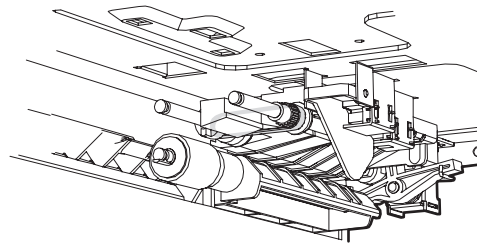
(2) Separation roller/torque limiter



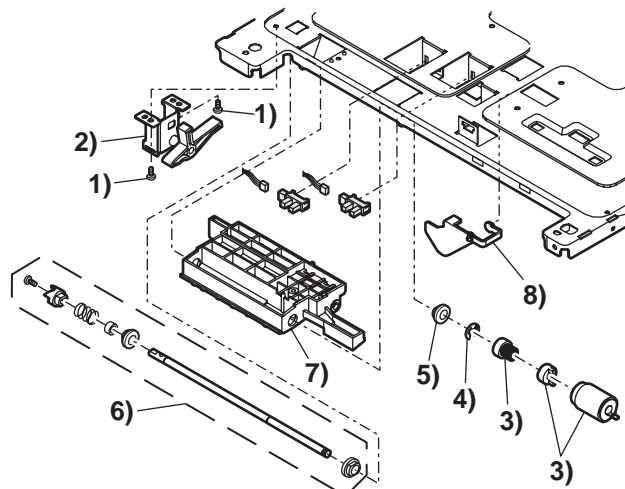
(3) pick-up roller/ paper feed roller



(4) Belt

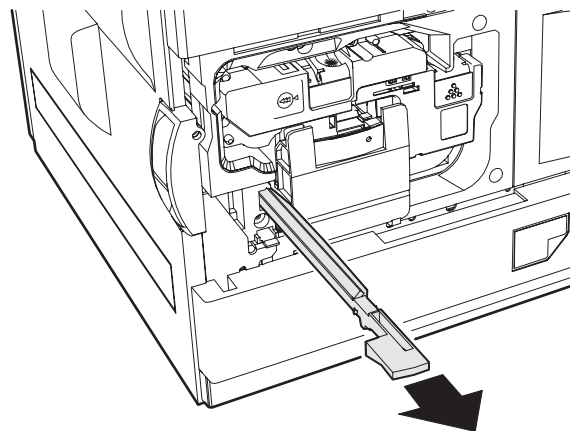


(5) Upper limit sensor/paper empty sensor



## H. Paper dust removing unit

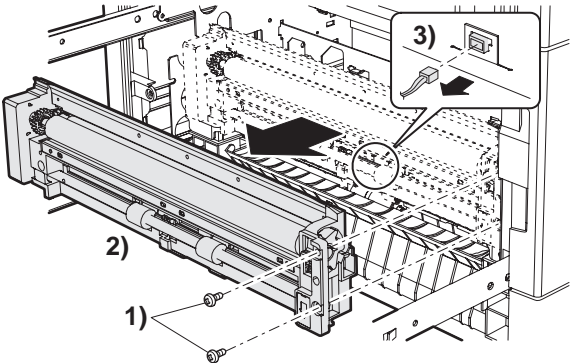
| No. | Name               | Job item | Cycle |
|-----|--------------------|----------|-------|
| 1   | Paper dust remover | Check    | 50K   |
|     |                    | Replace  | 100K  |



**I. Resist roller unit**

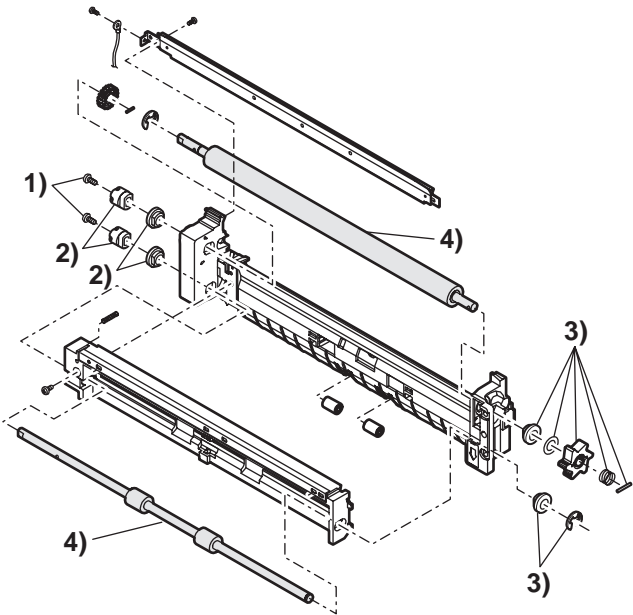
| No. | Name                  | Job item | Cycle |
|-----|-----------------------|----------|-------|
| 1   | Paper transfer roller | Cleaning | 50K   |
| 2   | Resist roller         | Cleaning | 50K   |

\* Before removing this unit, remove the paper dust removing unit in advance.

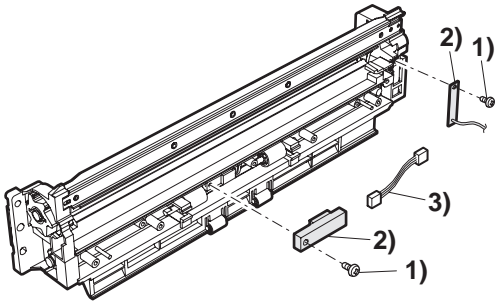


\* Note that the harness is connected to the back of the unit.

**(1) Resist roller**

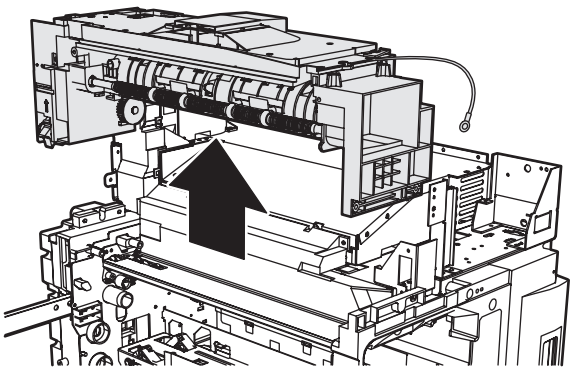
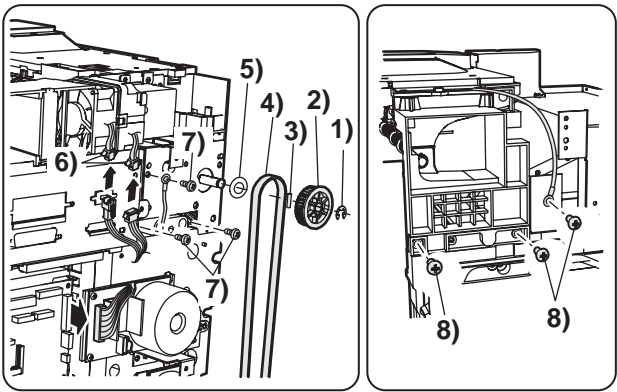


**(2) Resist sensor**

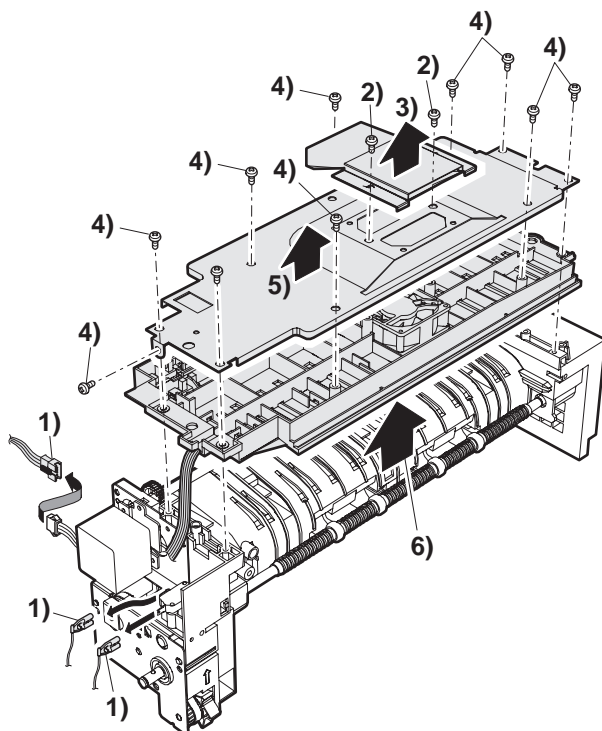


**J. Paper exit unit**

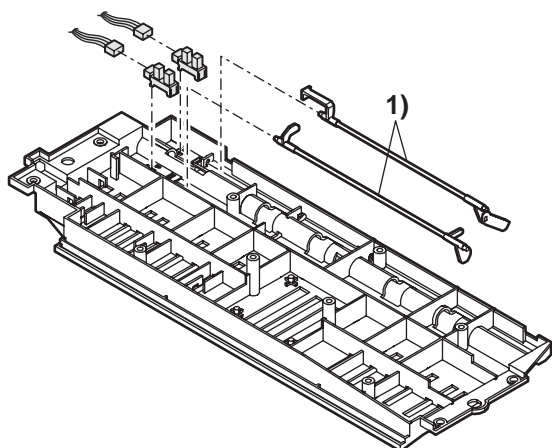
| No. | Name                  | Job item | Cycle |
|-----|-----------------------|----------|-------|
| 1   | Transport paper guide | Cleaning | 50K   |



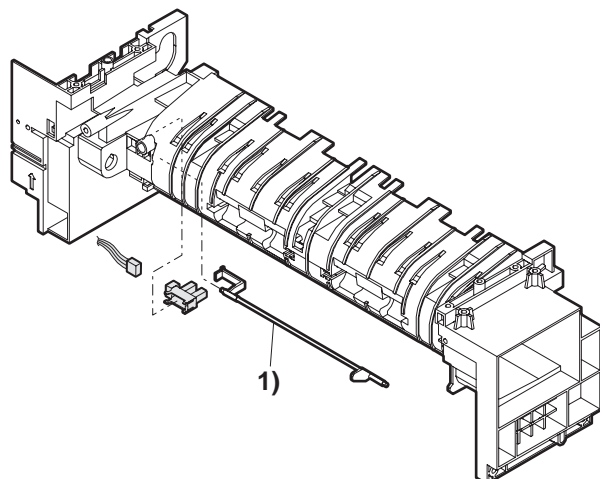
**(1)Paper exit upper paper guide unit**



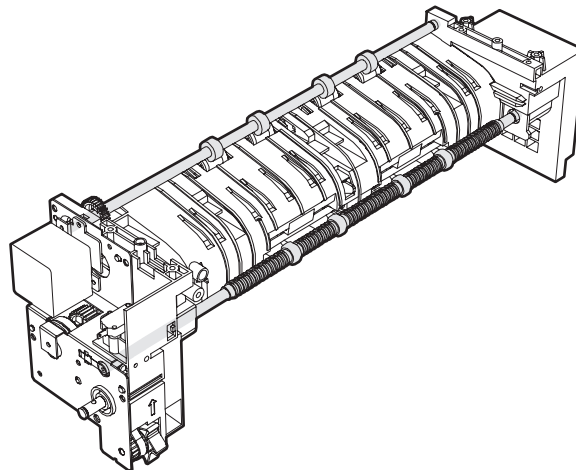
**(2)Paper exit sensor/switch-back sensor**



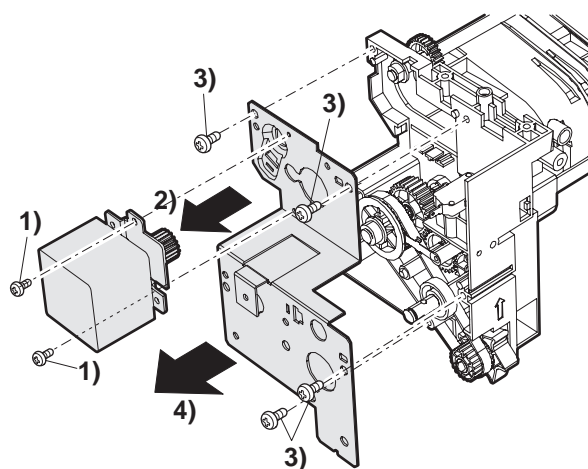
**(3)Paper exit sensor 2**



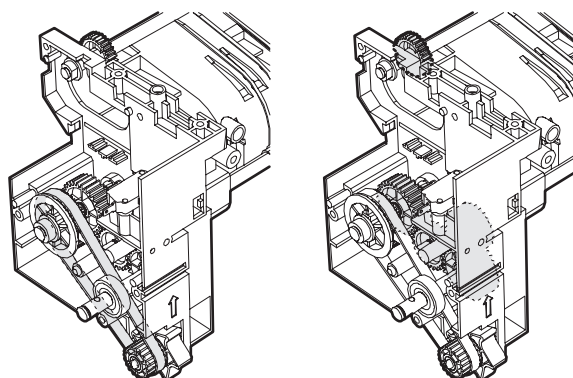
**(4)Paper exit roller**



**(5)Paper exit motor**

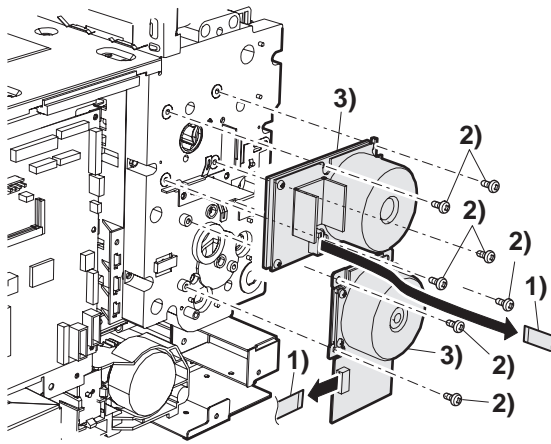


**(6)Paper exit drive section**



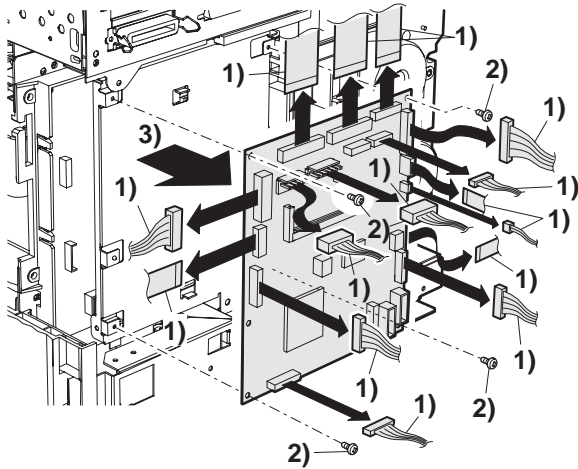


## K. Main motor/drum motor

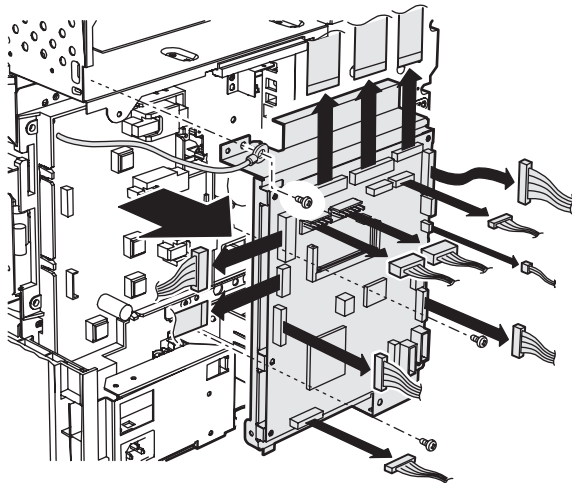


## L. PCU PWB

Note: When replacing the PCU PWB, remove the EEPROM from the PCU PWB and install it to a new PWB.

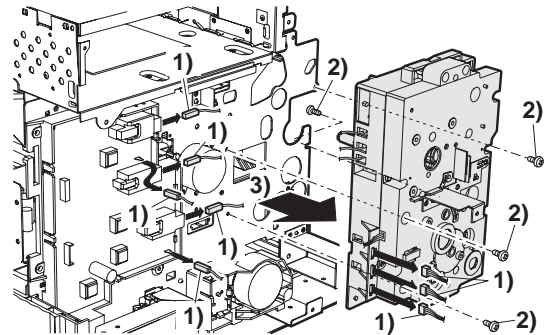
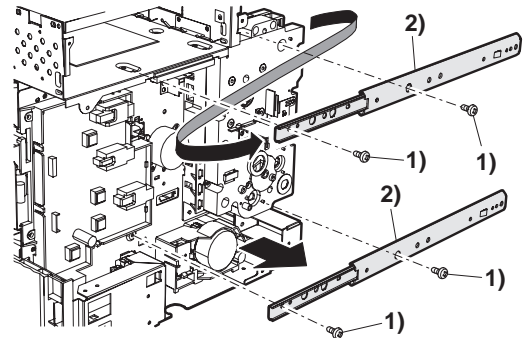


## M. PCU PWB base plate unit

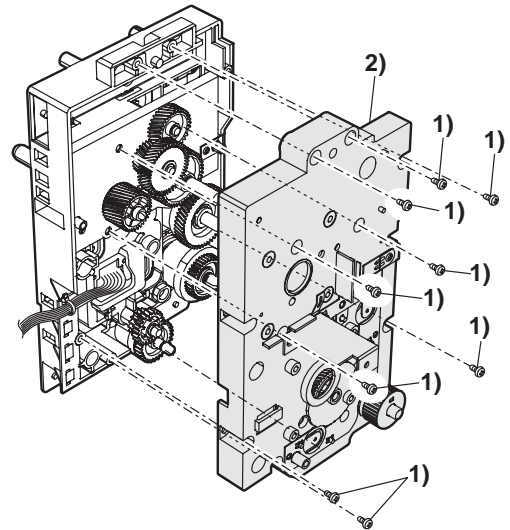


## N. Main drive unit

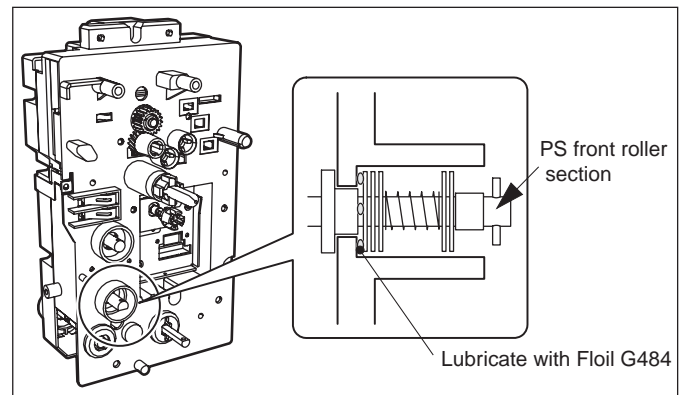
| No. | Name               | Job item  | Cycle |
|-----|--------------------|-----------|-------|
| 1   | Specified position | Lubricate | 50K   |



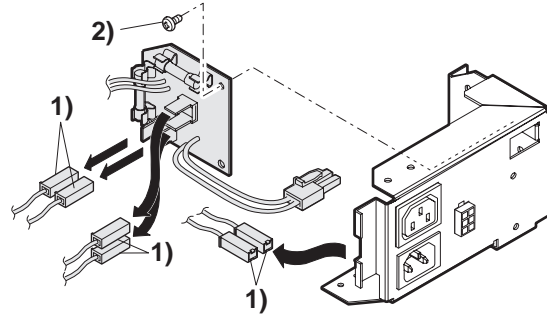
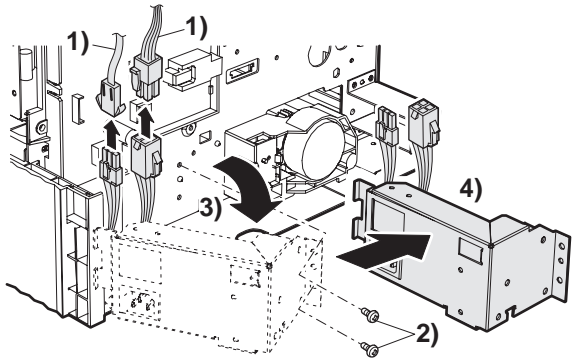
(1) Drive gear



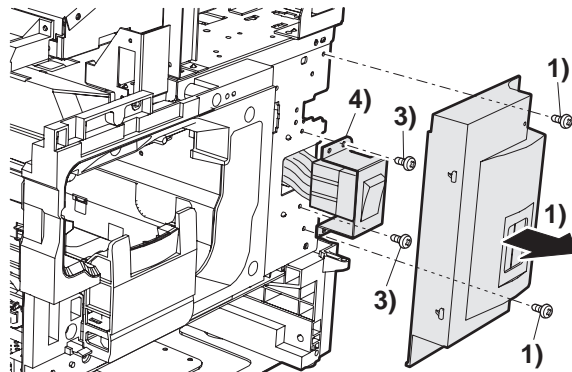
Remove the PS unit and apply grease to the bottom of the PS front roller section brake.



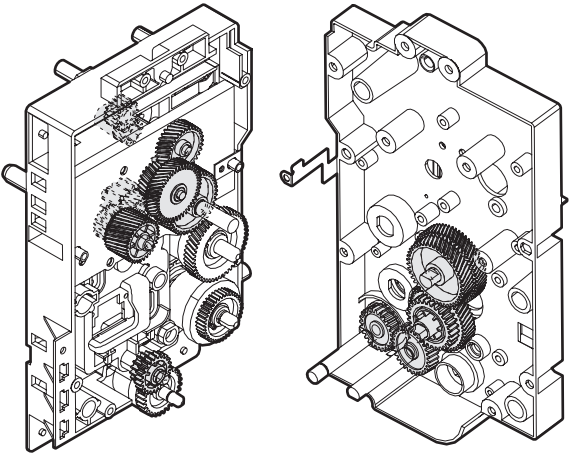
**P. Fuse PWB**



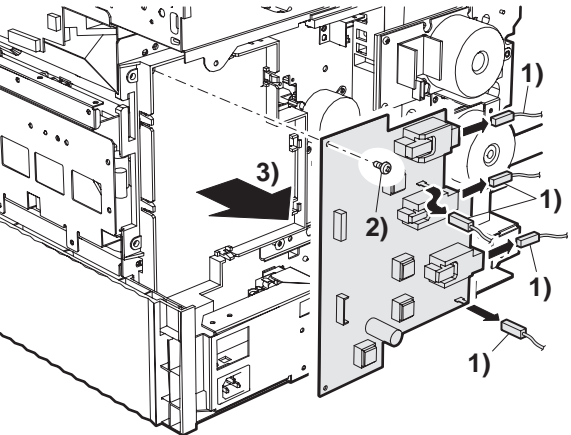
**Q. Power unit peripheral**  
**(1)Power switch**



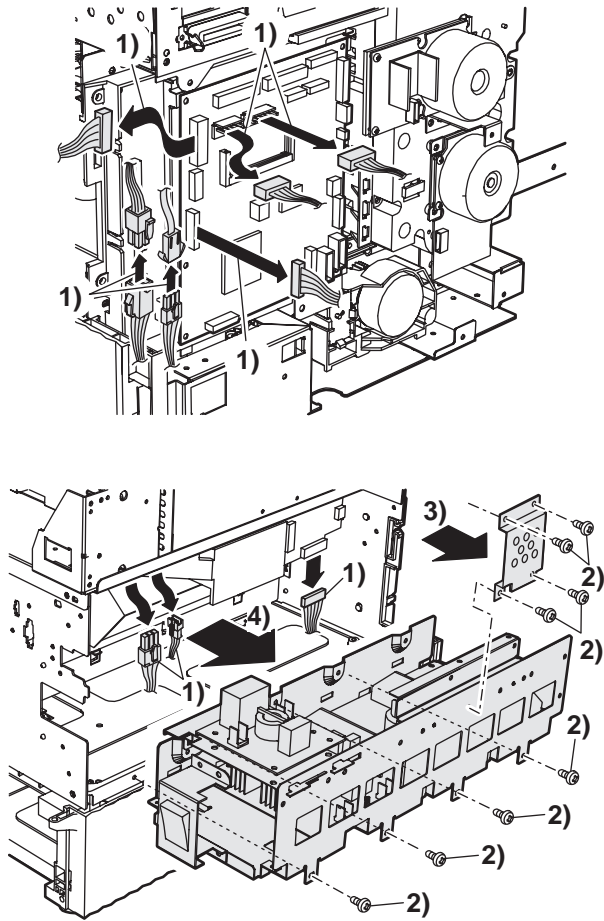
**(2) Clutch**



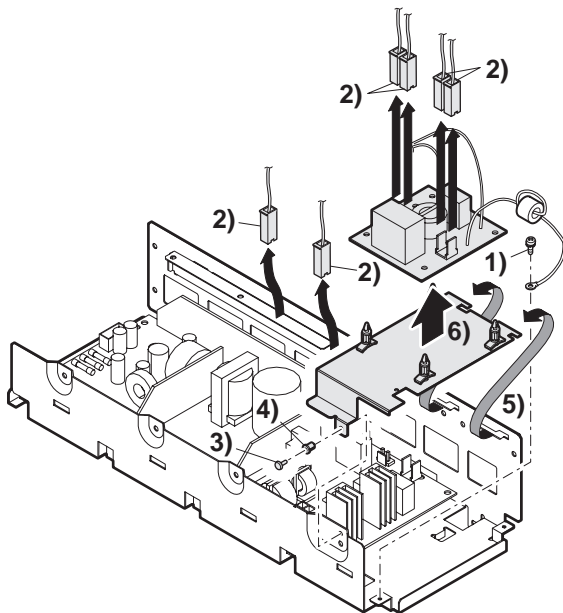
**O. High voltage PWB**



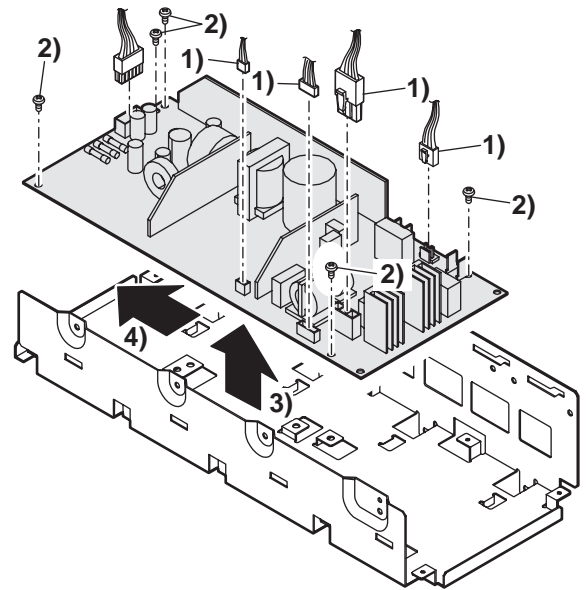
## (2)Power unit



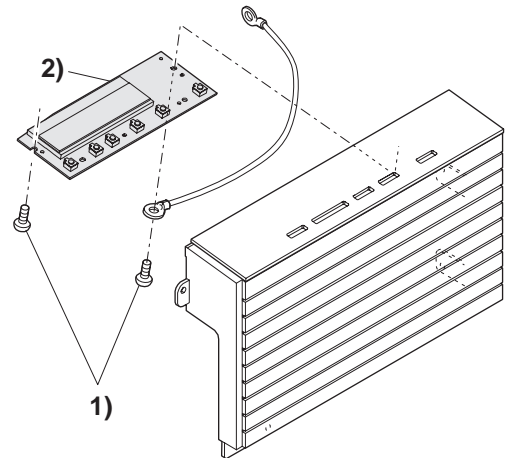
## (3) Filter PWB



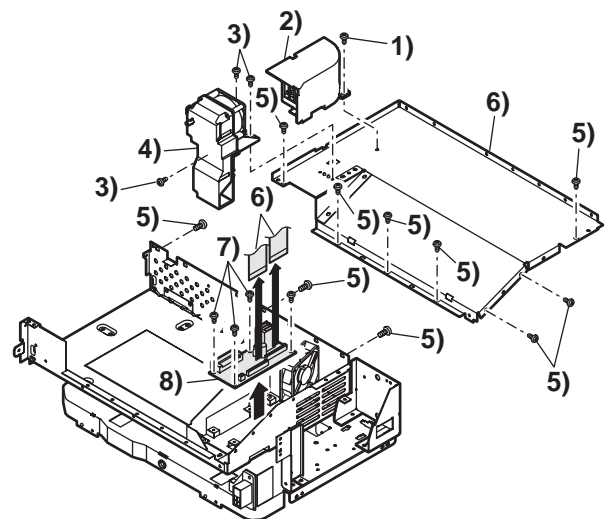
## (4) Power PWB



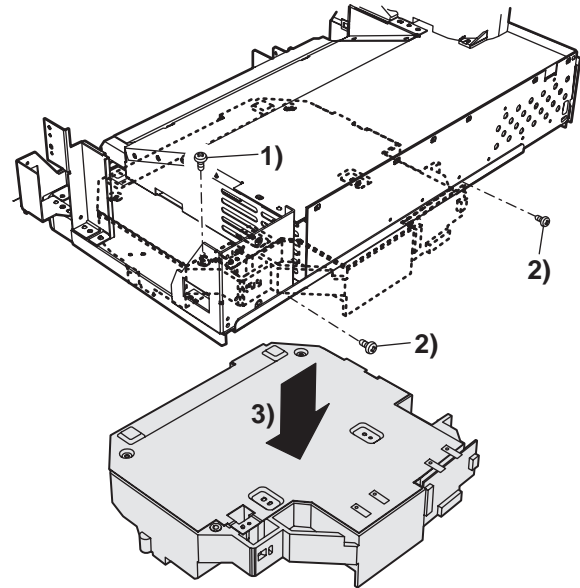
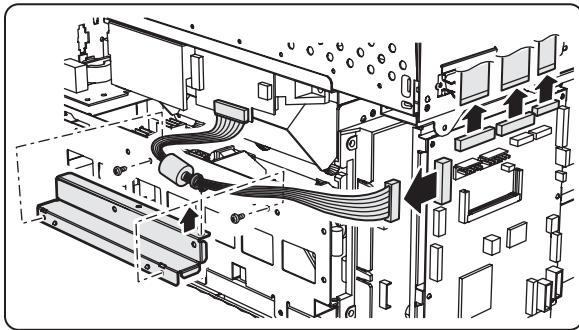
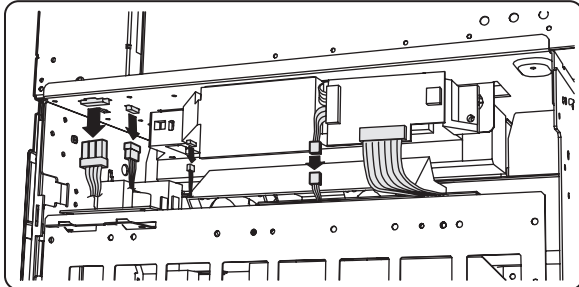
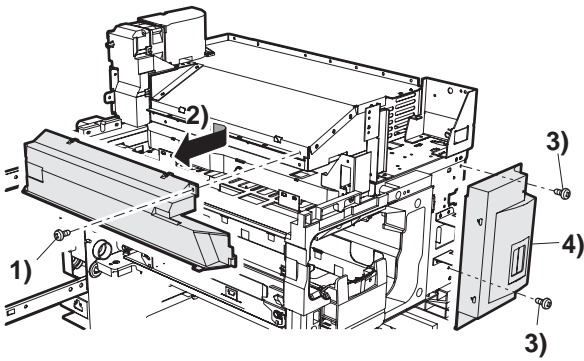
## R. Printer operation PWB



## S. Mother PWB



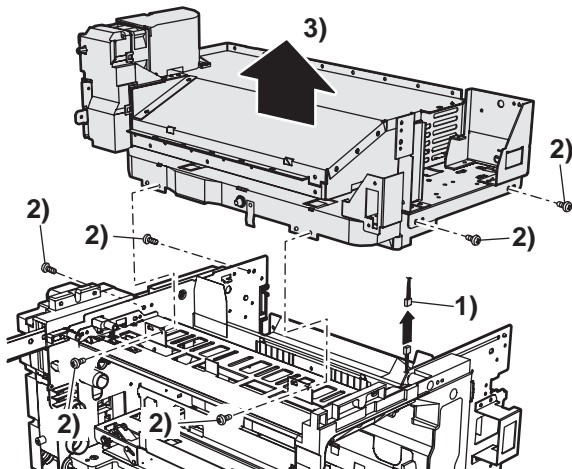
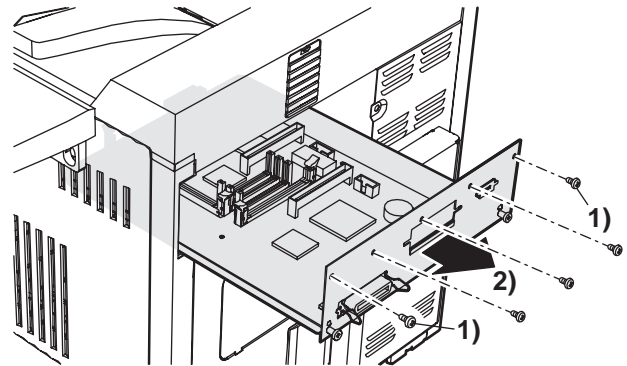
## T. Laser unit



Note: When the LSU is disassembled, the LSU right angle adjustment is required.

## U. Controller PWB

Remove five screws and the controller PWB can be removed.





## [8] MACHINE OPERATION

### 1. Function of each LED

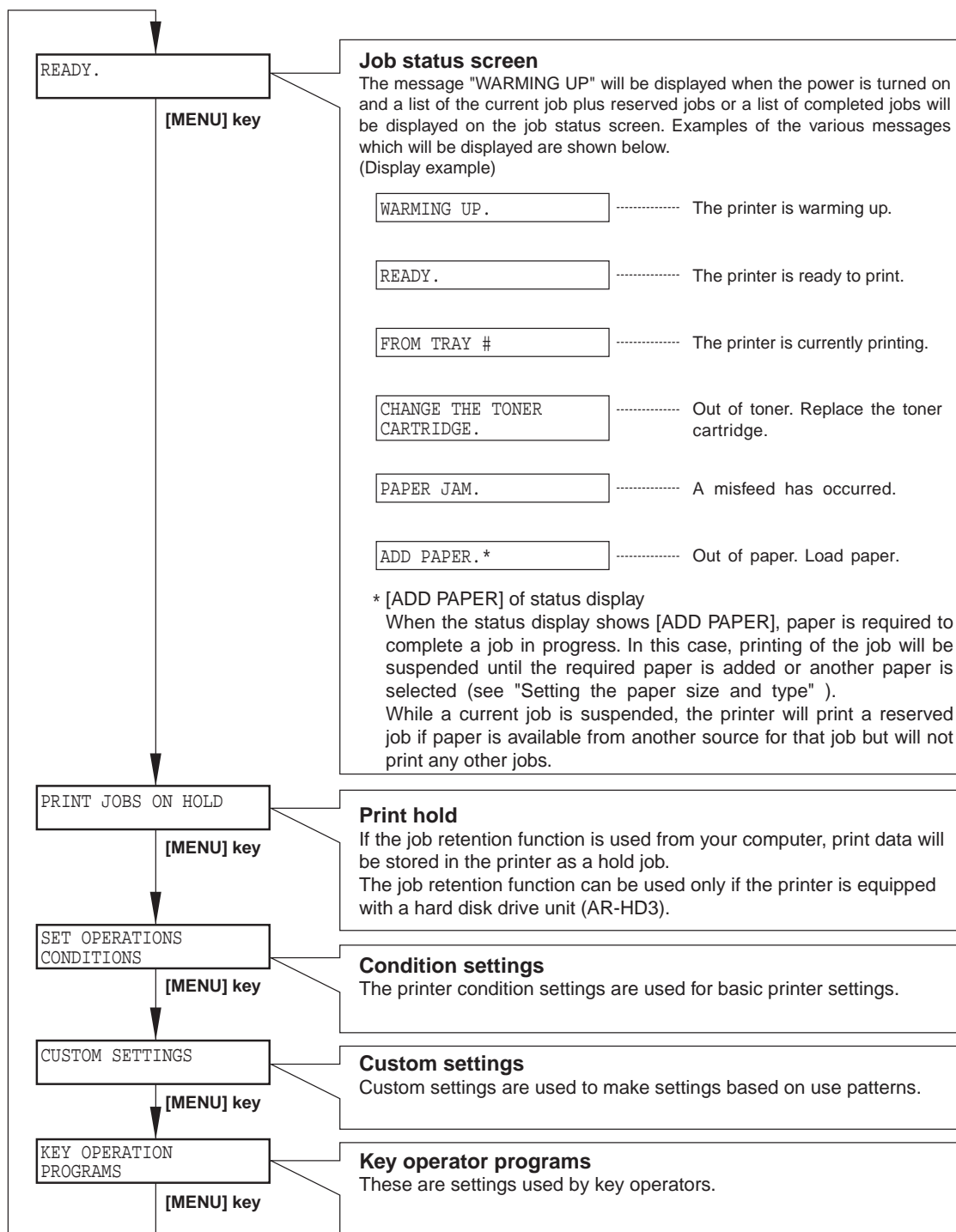
|       | READY                       | DATA  | ERROR   |
|-------|-----------------------------|---|---|
| ON    | Print job reception enable  | •When RIP-completed print data are stored in memory.        | •When a trouble which can be canceled by the user occurred. |
| Flash |                             | •When data are processed in the printer board (during RIP). | •When a trouble which requires service call occurred.       |
| OFF   | Print job reception disable | •Neither print data nor data under process are stored.      | •No trouble   |

\* RIP:Raster In Processor. Develops the print command into pixel information.

### 2. Outline of each mode

The menu groups are classified into five groups and are selected consecutively by pressing the [MENU] key. If the [OK] key is pressed when the desired menu screen is displayed, a message will appear to indicate the next required operation.

In addition, there is the service diag mode used for a serviceman.(with the scanner unit installed)



### 3. Setting mode on Computer side

| Mode                          | Outline   | Remark  |
|-------------------------------|---|---|
| Setting by the printer driver | Changed and set according to the print form of each job.        |   |
| Web menu frame                | Used to set the work board functions from the Web browser (*1). | Only when the NIC board (AR-NC5J) is installed. |

\*1: Recommended Web browser  
Internet Explorer 4.0 or later,  
Netscape Navigator 4.0 or later

### 4. Printer environment setup

|               |                                | Set value (Default)   |
|---------------|--------------------------------|---|
| Initial setup | Smoothing                      | YES* • NO   |
|               | Number of copies               | 1* ~ 999  |
|               | Print direction                | Vertical* • Horizontal  |
|               | Standard paper feed paper size | A3 • B4 • A4* • B5 • A5<br>11" x 17" • 8.5" x 14" •<br>8.5" x 13" • 8.5" x 11" •<br>7.25" • 10.5" • 5.5" x 8.5" |
|               | Standard paper feed paper type | Normal paper, printed paper,<br>recycled paper,<br>letter head paper,<br>punched paper, color paper             |
|               | Standard paper exit tray       | Differs depending on<br>installation of peripheral<br>devices. *1   |
|               | White paper print inhibition   | Inhibit / Allow*  |
| SPDL setup    | PCL symbol set                 | See separate table  |
| PS setup      |                                | (PS error cause)<br>Print / not print *   |

### 5. User setup

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Total print quantity display        |                                 |
| LCD contrast adjustment             |                                 |
| List print                          | Setup list<br>Printer test page |
| Time setup                          |                                 |
| Paper feed tray setup               |                                 |
| Paper feed tray automatic selection |                                 |

### 6. Web menu frame

|                       |   | Set value (Default) |
|-----------------------|---|---------------------|
| Receiver management   | Email distribution scan receiver setup                  |                     |
|                       | File server store scan store receiver information setup |                     |
|                       | Desktop distribution scan receiver information setup    |                     |
|                       | FAX receiver information setup                          |                     |
|                       | Internet FAX receiver information setup                 |                     |
|                       | Group receiver information setup                        |                     |
|                       | Confirmation of receiver information delete             |                     |
|                       |   |                     |
| Memory box management | Remote send   |                     |
|                       | Confidential reception                                  |                     |
|                       | Interface broadcast (forward)                           |                     |

|                  |   | Set value (Default) |
|------------------|---|---------------------|
| Management setup | Network card setup                      |                     |
|                  | Password setup                          |                     |
|                  | Network scanner basic setup             |                     |
|                  | Email status basic setup                |                     |
|                  | Email system and DNS system basic setup |                     |
|                  | Email sender setup                      |                     |
|                  | Group index setup                       |                     |
|                  | Email status setup                      |                     |

### 7. PCL symbol set

| No. | Symbol set               |
|-----|--------------------------|
| 1   | Roman-8                  |
| 2   | ISO 8859-1 Latin 1       |
| 3   | PC-8                     |
| 4   | PC-8 Danish/Norwegian    |
| 5   | PC-850                   |
| 6   | ISO 6 ASCII              |
| 7   | Legal                    |
| 8   | ISO 21 German            |
| 9   | ISO 17 Spanish           |
| 10  | ISO 69 French            |
| 11  | ISO 15 Italian           |
| 12  | ISO 60 Norwegian v1      |
| 13  | ISO 4 United Kingdom     |
| 14  | ISO 11 Swedish:names     |
| 15  | PC1004 (OS/2)            |
| 16  | DeskTop                  |
| 17  | PS Text                  |
| 18  | Microsoft Publishing     |
| 19  | Math-8                   |
| 20  | PS Math                  |
| 21  | Pi Font                  |
| 22  | ISO 8859-2 Latin 2       |
| 23  | ISO 8859-9 Latin 5       |
| 24  | ISO 8859-10 Latin 6      |
| 25  | PC-852                   |
| 26  | PC-775                   |
| 27  | PC Turkish               |
| 28  | MC Text                  |
| 29  | Windows 3.1 Latin 1      |
| 30  | Windows 3.1 Latin 2      |
| 31  | Windows 3.1 Latin 5      |
| 32  | Windows Baltic (not 3.1) |
| 33  | Windows 3.0 Latin 1      |
| 34  | Symbol                   |
| 35  | Wingdings                |



## 8. Key operator program

| Key operator program            |                             |  | Set value (Default)                       | Remark                             |
|---------------------------------|-----------------------------|--|---|------------------------------------|
|                                 |                             |  | Engine section LCD                        |                                    |
| Account control                 | Auditing mode               |  | ON/OFF*                                   |                                    |
|                                 | Print per account           | Print per account display<br>Print per account print | ON*/OFF                                   |                                    |
|                                 | Reset account               |  |   |                                    |
|                                 | Account number control      | Enter new account number(5digits)                    |   |                                    |
|                                 |                             | Delete account number                                |   |                                    |
|                                 |                             | Change account number                                |   |                                    |
|                                 |                             | Print account number                                 |   |                                    |
|                                 | No print if acc't # invalid |  | Yes/No*                                   |                                    |
| Energy save                     | Auto power shut-off timer   |  | 15min/30min*/60min/120min/240min          |                                    |
|                                 | Auto power shut-off         |  | Disable/Enable*                           |                                    |
|                                 | Preheat mode                |  | 15min*/30min/60min/120min/240min/None     |                                    |
|                                 | Toner save                  |  | ON/OFF*                                   |                                    |
| Operation panel settings        | Auto clear setting          |  | 15sec/30sec/60sec*/OFF                    |                                    |
|                                 | Message display time        |  | 3sec/6sec*/9sec/12sec                     |                                    |
|                                 | Language setting            |  | American English/English*/French/Spanish  | Depend on the destination          |
| Device settings                 | Disable duplex unit         |  | Yes/No*                                   |                                    |
|                                 | Disable stapler unit        |  | Yes/No*                                   |                                    |
|                                 | Disable paper desk drawers  |  | Yes/No*                                   |                                    |
|                                 | Disable finisher            |  | Yes/No*                                   |                                    |
|                                 | Disable mail-bin stacker    |  | Yes/No*                                   |                                    |
|                                 | Saddle stitch adjust        | Paper size A4  | -3.0mm~0.0mm*~3.0mm (0.1mm unit)          | With the saddle finisher installed |
|                                 |                             | Paper size B4  | -3.0mm~0.0mm*~3.0mm (0.1mm unit)          |                                    |
|                                 |                             | Paper size A4R                                       | -3.0mm~0.0mm*~3.0mm (0.1mm unit)          |                                    |
|                                 |                             | Paper size Ledger                                    | -3.0mm~0.0mm*~3.0mm (0.1mm unit)          |                                    |
|                                 |                             | Paper size Letter-R                                  | -3.0mm~0.0mm*~3.0mm (0.1mm unit)          |                                    |
| Print key operator program list |                             |  |   |                                    |
| Key operator code change        | Set code                    |  | 00000*                                    |                                    |
| System settings                 | Default settings            | Print density level                                  | Normal*/DAKER/DARKEST/LIGHTTEST/LIGHTER   |                                    |
|                                 |                             | Disable notice page printing                         | Yes*/No                                   |                                    |
|                                 |                             | Disable test page printing                           | Yes*/No                                   |                                    |
|                                 |                             | A4/LT auto select                                    | ON/OFF*                                   |                                    |
|                                 | Interface settings          | Hexadecimal dump mode                                | ON/OFF*                                   |                                    |
|                                 |                             | PDL for parallel port                                | Auto*/PostScript/PCL                      |                                    |
|                                 |                             | PDL for network port                                 | Auto*/PostScript/PCL                      |                                    |
|                                 |                             | I/O timeout  | 1sec~20sec*~999sec                        |                                    |
|                                 |                             | Port switching                                       | Per job*/Timeout/Parallel OFF/Network OFF |                                    |
|                                 | Network settings            | IP address setting                                   | IP address 000.000.000.000*               |                                    |
|                                 |                             |  | IP subnet mask 000.000.000.000*           |                                    |
|                                 |                             |  | IP gateway 000.000.000.000*               |                                    |
|                                 |                             | Enable TCP/IP  | Yes*/No                                   |                                    |
|                                 |                             | Enable NetWare                                       | Yes*/No                                   |                                    |
|                                 |                             | Enable EtherTalk                                     | Yes*/No                                   |                                    |
|                                 |                             | Enable NetBEUI                                       | Yes*/No                                   |                                    |
|                                 |                             | Reset the NIC  |   |                                    |
|                                 | Initialize/Store settings   | Restore factory defaults                             |   |                                    |
|                                 |                             | Store current configuration                          |   |                                    |
|                                 |                             | Restore configuration                                |   |                                    |
| Product key                     | PS3 expansion kit           |  |   |                                    |
|                                 | E-mail alert and status     |  |   |                                    |

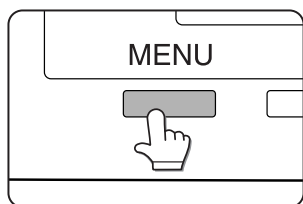
## 9. Canceling a print job and deleting print data

- To cancel a print job in progress and delete the print data:  
Press the [BACK/CLEAR] key during printing. Printing will stop and a message asking for confirmation to delete the job will appear.  
To delete the data, press the [OK] key.  
To cancel deletion, press the [BACK/CLEAR] key. Printing will resume.
- To delete print data of a reserved job:  
Print data transmitted from computers will be stored in this printer (up to 99 jobs) and will be output sequentially. To delete print data of a reserved job before starting printing, press the [△] or [▽] key to display the desired data in the message display.  
If you press the [BACK/CLEAR] key at this time, a confirmation message for deletion will appear. To delete the data, press the [OK] key.  
To cancel deletion, press the [BACK/CLEAR] key. Printing will resume.

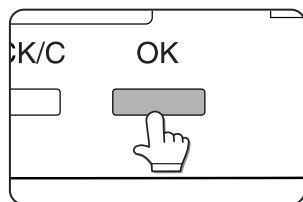
## 10. Setting the paper size and type

When the paper size or type is changed in a paper tray, to the following procedure.

- 1) Press the [MENU] key repeatedly until "CUSTOM SETTINGS" appears in the message display.



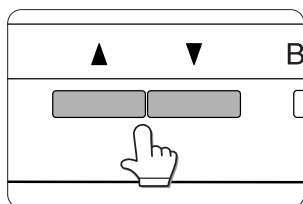
- 2) Press the [OK] key.  
When the [OK] key is pressed, "TRAY SETTING" will appear in the message display.



- 3) Press the [OK] key.  
When the [OK] key is pressed, the message shown below will appear in the message display.



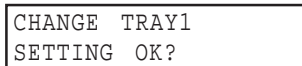
- 4) Select the desired paper tray.  
Press the [△] or [▽] key repeatedly until the desired paper tray is indicated in the display.



- 5) Press the [OK] key.  
The paper size and paper type of the tray selected in step 4) will appear.
- If TRAY 1 is selected in step 4), the message shown below will appear in the display.



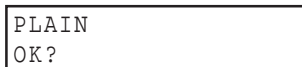
- 6) Press the [▽] key.
- If TRAY 1 is selected in step 4), the message shown below will appear in the display.



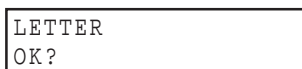
- 7) Press the [OK] key.  
To cancel the setting change, press the [BACK/C] key to return to step 4).

NOTE: Special paper such as thick paper, transparency film, labels, and postcards can be set for tray 2 and the bypass tray. Envelopes can be set only for tray 2.

- 8) Select the paper type that has been set in the tray.  
Press the [△] or [▽] key repeatedly until the paper type that has been set appears.



- 9) Press the [OK] key.
  - 10) Ensure that the desired paper size is selected.
- Press the [△] or [▽] key repeatedly until the desired paper size appears.



- Depending on the selected tray, a selection for "AUTO-AB" and "AUTO-INCH" may appear

"AUTO-AB": Select when you have set AB system paper.

"AUTO-INCH": Select when you have set inch system paper.

When the paper system is changed from the inch system to the AB system or vice versa, the paper type must be designated. Select the paper type.

- If you have set paper of non-standard size, select "NON STANDARD".  
This size can be selected when tray 2 or the bypass tray has been selected in step 4).

- 11) Press the [OK] key to terminate the setting.

## 11. Specifications of paper trays

The specifications for types and sizes of paper for loading paper trays are shown below.

| Tray                                 | Tray No.<br>(tray name)   | Applicable paper types   |   | Applicable paper sizes   | Paper weight                                  |
|--------------------------------------|---------------------------|--|---|--|---|
| Paper tray 1                         | Tray 1                    | Plain paper<br>(Refer to the next page for applicable papers.)   |   | •8-1/2 x 11, A4, B5  | 16 to 28 lbs. or<br>60 to 105g/m <sup>2</sup> |
| Multi purpose drawer/<br>bypass tray | Tray 2/<br>bypass<br>tray | Plain paper<br>(Refer to the next page for applicable papers.)   |   | •If "AUTO-INCH" is selected in setting the paper size and type, the following paper sizes can be used with the automatic detection function:<br>11 x 17, 8-1/2 x 14, 8-1/2 x 11, 8-1/2 x 11R, 7-1/4 x 10-1/2, 5-1/2 x 8-1/2R<br>•If "AUTO-AB" is selected in setting the paper size and type, the following paper sizes can be used with the automatic detection function:<br>A3, B4, A4, A4R, B5, B5R, A5R, 8-1/2 x 13<br>•Non-standard sizes | 16 to 34 lbs. or<br>60 to 128g/m <sup>2</sup> |
|                                      |                           | Special paper<br>(Refer to the next page for applicable papers.) | •Thick paper<br>•Labels, transparency film  | •If "AUTO-INCH" is selected in setting the paper size and type, the following paper sizes can be used with the automatic detection function:<br>8-1/2 x 11, 8-1/2 x 11R<br>•If "AUTO-AB" is selected in setting the paper size and type , the following paper sizes can be used with the automatic detection function:<br>A4, A4R, B5, B5R<br>•Non-standard sizes smaller than 8-1/2 x 11 or A4  | See the remarks for special paper             |
|                                      |                           |  | Postcard  | •Japanese official postcard  |   |
|                                      |                           |  | Envelopes can only be fed from the multi-purpose drawer. Applicable paper stock weight for envelopes is 20 to 23 lbs. or 75 to 90g/m <sup>2</sup> | •Applicable standard size envelopes:<br>COM-10, Monarch, DL, C5, ISO B5<br>•Non-standard size  |   |
| Stand/3 x 500 sheet paper drawer     | Upper                     | Tray 2   | Same as multi purpose drawer  |  |   |
|                                      | Middle                    | Tray 3   | Plain paper<br>(Refer to the next page for applicable papers.)  | •If "AUTO-INCH" is selected in setting the paper size and type, the following paper sizes can be used with the automatic detection function:<br>11 x 17, 8-1/2 x 14, 8-1/2 x 11, 8-1/2 x 11R, 7-1/4 x 10-1/2, 5-1/2 x 8-1/2R<br>•If "AUTO-AB" is selected in setting the paper size and type, the following paper sizes can be used with the automatic detection function:<br>A3, B4, A4, A4R, B5, B5R, A5R, 8-1/2 x 13                        | 16 to 28 lbs. or<br>60 to 105g/m <sup>2</sup> |
|                                      | Lower                     | Tray 4   |   |  |   |
| Stand/ MPD & 2000 sheet paper drawer | Upper                     | Tray 2   | Same as multi purpose drawer  |  |   |
|                                      | Lower                     | Tray 3   | Plain paper<br>(Refer to the next page for applicable papers.)  | •8-1/2 x 11, A4  | 16 to 28 lbs. or<br>60 to 105g/m <sup>2</sup> |

## A. Applicable plain paper

For satisfactory results, plain paper must conform to the following requirement

|   | Paper in AB system                         | Paper in inch system     |
|---|--|--------------------------|
|   | A5 to A3                                   | 5-1/2 x 8-1/2 to 11 x 17 |
| Plain paper   | 16 to 28 lbs. or 60 to 105g/m <sup>2</sup> |                          |
| Recycled, colored, pre-punched, pre-printed and letterhead papers must conform to the same conditions as above. |  |                          |

## B. Applicable special paper

For satisfactory results, special paper must conform to the following requirements.

|               | Type   | Remarks   |
|---------------|--|---|
| Special paper | Thick paper                                  | <ul style="list-style-type: none"><li>•For 5-1/2 x 8-1/2 to 8-1/2 x 11 or A5 to A4 sizes, thick paper ranging from 16 to 34 lbs. or 60 to 128g/m<sup>2</sup> can be used.</li><li>•For sizes larger than 8-1/2 x 11 or A4, thick paper ranging from 16 to 28 lbs. or 60 to 105g/m<sup>2</sup> can be used.</li><li>•Other thick papers Index stock (65 lbs. or 176g/m<sup>2</sup>) can be used. Cover stock (110 lbs. or 200 to 205g/m<sup>2</sup>) can be used but only for 8-1/2 x 11, A4 or smaller paper in the portrait orientation.</li></ul> |
|               | Transparency film, labels, and tracing paper | <ul style="list-style-type: none"><li>•Use SHARP recommended paper. Do not use labels other than SHARP recommended labels. Doing so may leave adhesive residue in the printer, causing paper misfeeds, smudges on prints or other machine trouble.</li></ul>  |
|               | Postcards                                    | <ul style="list-style-type: none"><li>•Japanese official postcards can be used.</li></ul>   |
|               | Envelopes                                    | <ul style="list-style-type: none"><li>•Applicable standard envelopes: COM-10, Monarch, DL, C5, ISO B5</li><li>•Envelopes can only be fed from the multi-purpose drawer.</li><li>Applicable paper stock weight for envelopes is 20 to 23 lbs. or 75 to 90g/m<sup>2</sup>.</li></ul>  |

## 12. Printing onto envelopes

- Do not use envelopes that have metal clasps, plastic snaps, string closures, windows, linings, self-adhesive patches or synthetic materials. Attempting to print on these may cause misfeeds, inadequate toner adherence or other trouble.
- Envelopes of which the surface is not flat because of embossing may cause the prints to become smudges.
- Under high humidity and temperature conditions the glue flaps on some envelopes may become sticky and be sealed closed when printed.
- Use only envelopes which are flat and crisply folded. Curled or poorly formed envelopes may be poorly printed or may cause misfeeds.

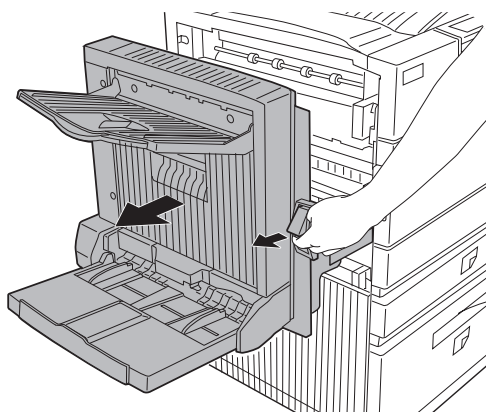
### A. Fusing unit pressure adjusting levers

When feeding envelopes from the multi purpose drawer, damage to the envelopes or smudges on prints may occur even if envelopes within specification are used. In this case, the problem may be reduced by shifting the fusing unit pressure adjusting levers from the normal position to the lower pressure position. Follow the procedure below.

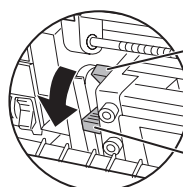
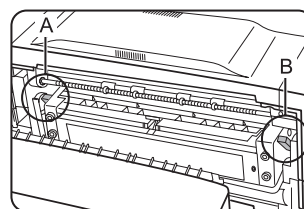
NOTE: Be sure to return the lever to the normal position when finished feeding envelopes. If not, inadequate toner adherence, paper misfeeds or other trouble may occur.

- 1) Unlatch the duplex module and slide it to the left.

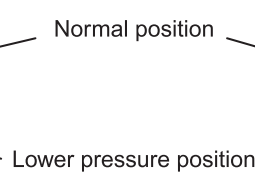
Unlatch the module and gently move the module away from the machine. If the machine is not equipped with a duplex module, open the side cover similarly.



- 2) Lower the two fusing unit pressure adjusting levers marked A and B in the illustration.

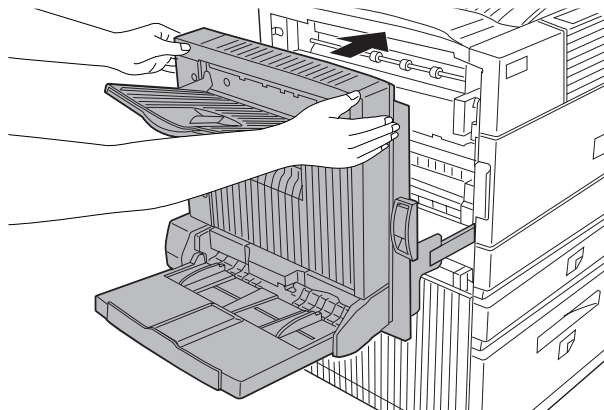


A: Rear side of fusing unit



B: Front side of fusing unit

- 3) Gently close the duplex module.  
If the machine is not equipped with a duplex module, close the side cover.



## 13. Loading transparency film

Be sure to load the transparency film with the white label side up. Make sure no image will be printed on the label. Printing on the label may cause smudges on prints. Transparency film must be set in the portrait orientation.

## [9] ADJUSTMENTS

|   |                 | Contents of adjustment |  |
|---|-----------------|------------------------|--|
| 1 | Process section | A                      | Doctor gap adjustment                                      |
|   |                 | B                      | MG roller main pole position adjustment                    |
|   |                 | C                      | High voltage output check and adjustment                   |
| 2 | Engine          | A                      | LSU right-angle adjustment                                 |
|   |                 | B                      | Print magnification ratio adjustment                       |
|   |                 | C                      | Print off-center adjustment                                |
|   |                 | D                      | Self print lead edge adjustment                            |
|   |                 | E                      | Void area adjustment                                       |
|   |                 | F                      | Resist quantity adjustment                                 |
|   |                 | G                      | Option paper feed tray paper guide adjustment              |
|   |                 | H                      | Option manual feed section paper guide position adjustment |

### 1. Process section

#### A. Doctor gap adjustment

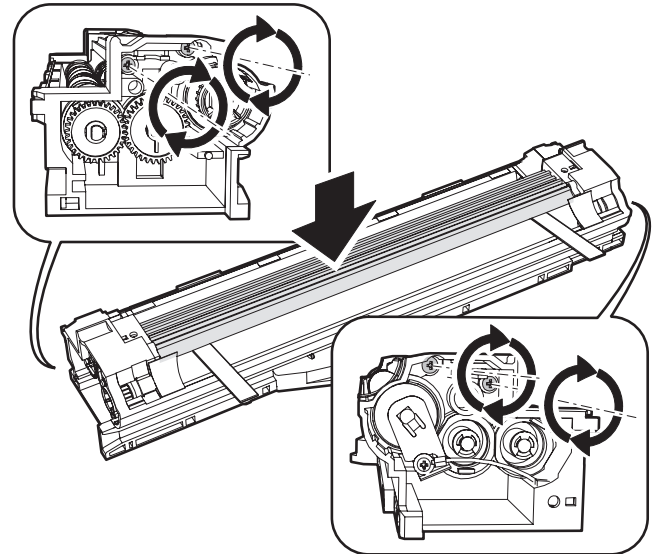
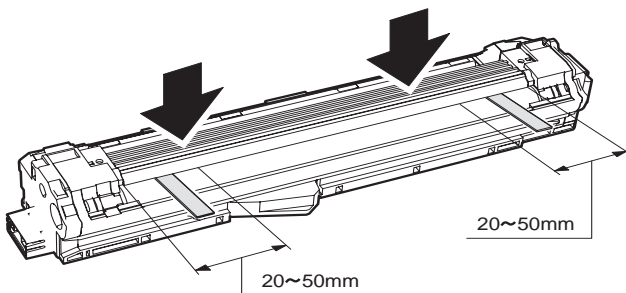
This adjustment is performed in the following cases:

- When developer is scattered.
- When an uneven image is produced.

- 1) Remove the developer cartridge and the developing unit from the machine.
- 2) Remove the DV cover and the developer from the developing unit.
- 3) Remove the DVR cover, the DVF handle, the idle correction plate assembly, and the HG gear 22T, insert a thickness gauge (0.46mm) as shown in the figure below, and check that the clearance is within the specified range.

If the clearance is not within the specified range, adjust the doctor gap in the following procedures.

- 4) Loosen the developing doctor fixing screw A.
- 5) Insert the thickness gauge (0.46mm) again as shown in the figure below.
- 6) Push the developing doctor in the arrow direction and tighten the fixing screw.
- 7) Check the developing doctor gap. If the clearance is within the specified range, fix the screw with screw lock.
- 8) After completion of the job, apply screw lock.



#### <Adjustment specification>

|            |                       | Specification | Ambient temperature |
|------------|-----------------------|---------------|---------------------|
| Both sides | Position at 20 - 50mm | 0.45±0.03mm   | 5 - 30°C            |

#### B. MG roller main pole position adjustment

This adjustment is performed in the following cases:

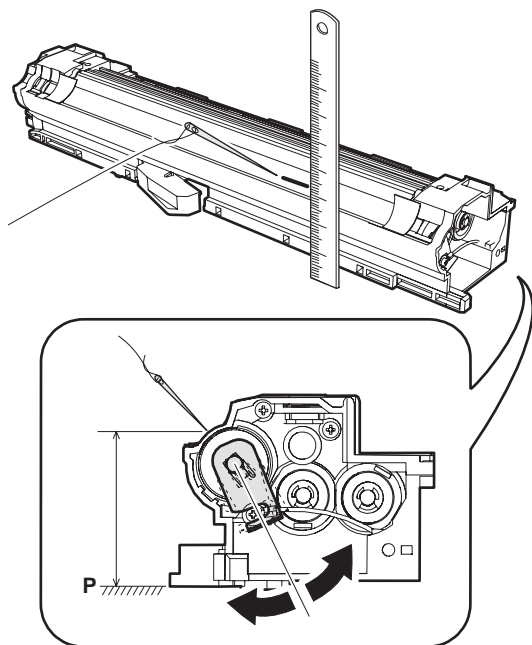
- When developer is scattered.
- When an uneven image is produced.

- 1) Remove the developer cartridge and the developing unit from the machine.
- 2) Remove the DV cover and the developer from the developing unit.
- 3) Remove the DVF handle and put the developing unit on a flat surface.
- 4) Bind a string to a needle.
- 5) Hold the string and move the needle toward the MG roller.  
(Since the MG roller diameter is small, use of a clip cannot make an accurate adjustment.)
- 6) With the needle tip 2 - 3 mm apart from the MG roller surface, mark the point on the MG roller in the elongated line of the needle.  
(Keep the needle and the MG roller apart from each other.)
- 7) Measure the distance from the marking position to the P surface of the developing unit, and check that the distance is within the specified range.

If the distance is not within the specified range, perform the adjustment in the following procedures.

- 8) Loosen the fixing screw of the main pole fixing plate.

- 9) Move the adjustment plate in the arrow direction and adjust.

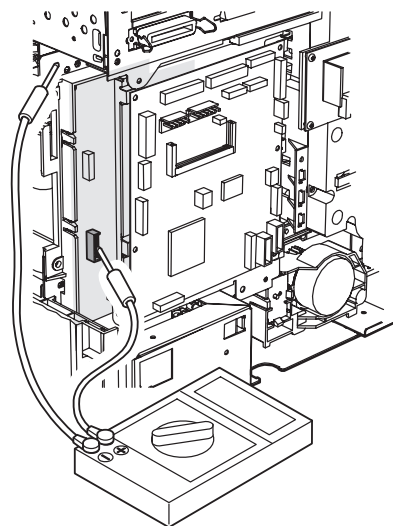


**<Adjustment specification>**

| Marking position | Measure from the P surface above. | Specification |  |
|------------------|-----------------------------------|---------------|--|
|                  |                                   | 54.2mm        |  |

**C. High voltage output check and adjustment**

- 1) While pressing the MENU key and the OK key, turn on the power switch.
- 2) The operation panel displays "PCU DIAG MODE."  
\* After releasing your fingers from the keys, do not touch any key for about 8 sec.
- 3) Press the MENU key several times until "HV TEST MC/GRID" is displayed.
- 4) Select a load to be outputted with [△] and [▽] keys.
- 5) Press the OK key to determine the selected load.
- 6) Apply the high voltage tester across the measuring pin according to the selected load and the frame.  
\* A high voltage is applied to the measuring pins. Be careful not to short between pins.



- 7) The set value is displayed on the LCD. Check it and adjust so that it is in the specified range.

The output mode is as shown in the table below.

| LCD display |      |                         |       |                            | Spec       | Measuring pin | Measuring unit input impedance |
|-------------|------|-------------------------|-------|----------------------------|------------|---------------|--------------------------------|
| MC/GRID     | AE   | MC grid                 |       | AE mode                    | -650V±5V*  | CN2-7         | 10MΩ                           |
|             | CHR  |                         |       | Text mode                  | -650V±5V*  |               |                                |
|             | MIX  |                         |       | Text Photo mode            | -650V±5V*  |               |                                |
|             | PHT  |                         |       | Photo mode                 | -650V±5V*  |               |                                |
|             | PRT  |                         |       | Printer mode               | -650V±5V*  |               |                                |
|             | FAX  |                         |       | FX mode                    | -650V±5V*  |               |                                |
|             |      |                         |       |                            |            |               |                                |
| THV+        | F    | Transfer current        |       | Casset / Manual paper feed |            | CN2-5         | -                              |
|             | B    |                         |       | ADU paper feed             |            |               |                                |
| BS          | AE   | Developing bias         |       | AE mode                    | -500V±5V*  | CN2-1         | 10MΩ                           |
|             | CHR  |                         |       | Text mode                  | -500V±5V*  |               |                                |
|             | MIX  |                         |       | Text Photo mode            | -500V±5V*  |               |                                |
|             | PHT  |                         |       | Photo mode                 | -500V±5V*  |               |                                |
|             | PRT  |                         |       | Printer mode               | -500V±5V*  |               |                                |
|             | FAX  |                         |       | FX mode                    | -500V±5V*  |               |                                |
|             | PLUS |                         |       | Positive bias              | +150V±5V*  |               |                                |
|             |      |                         |       |                            |            |               |                                |
| SHV         | F    | Separation voltage      | 45PPM | Casset / Manual paper feed | 1.25V±0.1V | CN2-3         | 10MΩ                           |
|             |      |                         |       | ADU paper feed             | 1.25V±0.1V |               |                                |
|             | B    |                         | 35PPM | Casset / Manual paper feed | 2.15V±0.1V |               |                                |
|             |      |                         |       | ADU paper feed             | 2.15V±0.1V |               |                                |
| THV-        |      | Transfer roller CL bias |       |                            | -800V±10V* | CN2-5         | 10MΩ                           |

\* Varies with time by the process control process.



## 2. Engine

### A. LSU right-angle adjustment

This adjustment is required in the following cases:

- When the LSU is replaced.
- When a distortion is produced in print.  
(Check with self print pattern "71".)

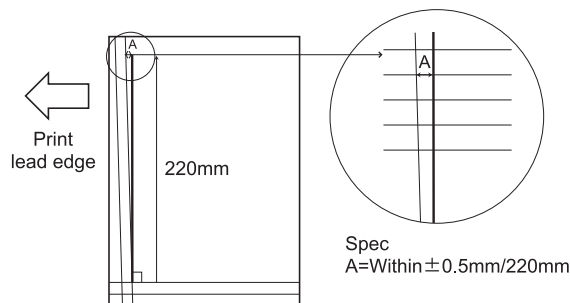
After completion of this adjustment, the following adjustments should be performed.

- Print off-center adjustment
- Void area adjustment

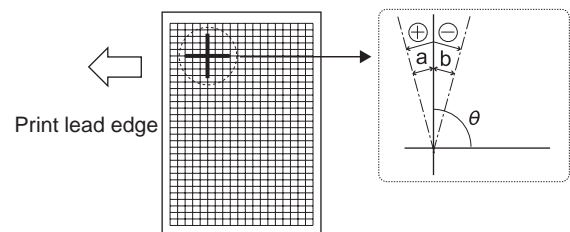
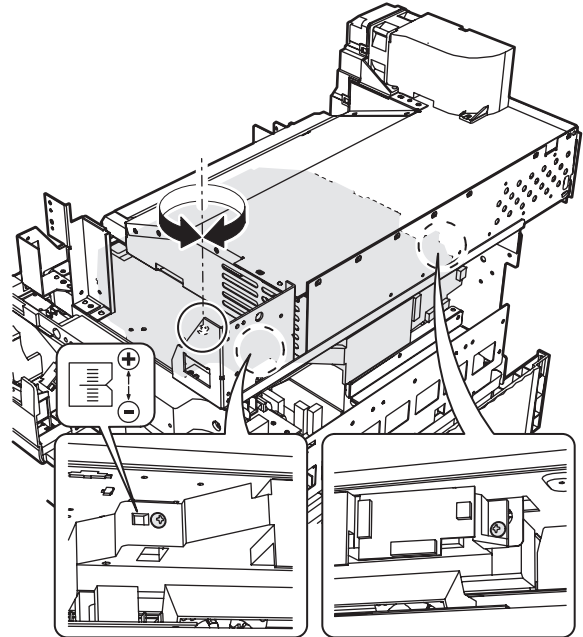
- 1) Hold and push the [MENU] key and the [OK] key, and turn on the power. ("PCU DIAG MODE \*\*\*\*" is displayed.)  
\* Do not touch the keys for about 8sec after releasing fingers from the above keys.
- 2) Push the [MENU] key several times until "TEST PRINT" is displayed, and push the [OK] key to enter the test print mode.
- 3) Push the [MENU] key several times until "PRITN PATTERN" is displayed, and set "71".
- 4) Push the [MENU] key several times until "CASSETTE" is displayed, and check with [△] key that the paper for tray 1 is properly set for the destination.  
\* AB series: "A4" is displayed  
\* Inch series: LETTER is displayed.
- 5) Push the [OK] key to make self-print.
- 6) Check the output print.

#### <Right angle check method>

- <1> Make self-print of pattern 71.
- <2> Draw a line perpendicular to the sub scan direction (paper transport direction) with a square.  
The point of intersection of the perpendicular line and the horizontal line is regarded as the starting point.
- <3> Measure distance A (between the self-printed line and the perpendicular line drawn with a square) at a position of 220mm from the starting point.
- <4> Check that distance A satisfies the following specification.



- 7) Loosen two fixing screws of the LSU unit (M4 screws which are fixing the LSU and the top plate).
- 8) Turn the adjustment screw on the upper side (on the back of the printer operation panel) clockwise or counterclockwise to adjust the height of the LSU front side.
- 9) After completion of the adjustment, tighten two fixing screws of the LSU unit.
- 10) Print again in the grid pattern and check the print.
- 11) Repeat procedures 7) to 10) until the specification is satisfied.
- 12) After completion of adjustment, apply screw lock to the screws.



#### <Specification>

|                             | Measuring point       | Specification                      | Set value  |
|-----------------------------|-----------------------|------------------------------------|--|
| Print distortion adjustment | Self print pattern 71 | $\theta = 90^\circ \pm 0.13^\circ$ | $\theta$ changes about 0.25 degrees for 1 scale of adjustment. |

## B. Print off-center adjustment

This adjustment is performed in the following cases:

- When the center of print is misaligned.  
(Check with the self print pattern "1".)
- When the LSU is replaced.
- When the option paper feed unit or the automatic duplex unit is installed or replaced.

Before executing this adjustment, the following adjustments must have been completed.

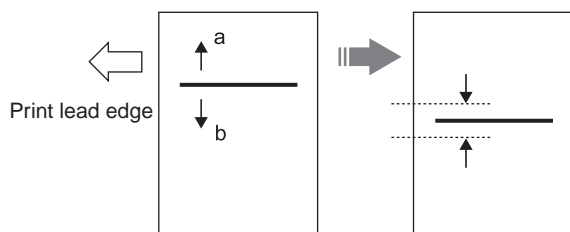
- LSU right-angle adjustment

After completion of this adjustment, the following adjustment must be performed.

- Void area adjustment

- 1) Hold and push the [MENU] key and the [OK] key, turn on the power.  
("PCU DIAG MODE \*\*\*\*" is displayed.)  
\* Do not touch the keys for about 8sec after releasing fingers from the above keys.
- 2) Push the [MENU] key several times until "TEST PRINT" is displayed, and push the [OK] key to enter the test print mode.
- 3) Make a print with "1".
- 4) Press [MENU] key several times to set all Voids to "35".
- 5) Push the [MENU] key several times until T1 OFF CENTER ADJ is displayed, and push the [OK] key.
- 6) Check the print and use [ $\Delta$ ] or [ $\nabla$ ] key to adjust the value of T1 OFF CENTER ADJ so that the off-center value is within the specified range.
- 7) If the option paper feed unit or the automatic duplex unit is installed, make an adjustment for each unit.

- \* When using the duplex unit, set DUPLEX to USE.



|   | Measurement reference        | Specification | Set value                       |   |
|---|------------------------------|---------------|---------------------------------|---|
| Standard tray self print off-center (T1 OFF CENTER ADJ)     | Output pattern 1 Center line | 0 $\pm$ 1.5mm | Shift of 0.1mm for set value 1. | When the option paper feed unit is installed.       |
| No. 2 tray self print off-center (T2 OFF CENTER ADJ)        |                              |               |                                 |   |
| No. 3 tray self print off-center (T3 OFF CENTER ADJ)        |                              |               |                                 |   |
| No. 4 tray self print off-center (T4 OFF CENTER ADJ)        |                              |               |                                 |   |
| Manual feed tray self print off-center (BPT OFF CENTER ADJ) |                              | 0 $\pm$ 1.5mm |                                 | When the option automatic duplex unit is installed. |
| ADU Self print off-center (ADU OFF CENTER ADJ)              |                              |               |                                 |   |

When the print line is shifted toward a from the paper center, decrease the value.

When the print line is shifted toward b from the paper center, increase the value.

## C. Self print lead edge adjustment

This adjustment is performed in the following cases:

- When the print start position is improper.  
(Check with the self print pattern "1".)
- When the LSU is replaced.

Before executing this adjustment, the following adjustments must have been completed.

- LSU right-angle adjustment

After completion of this adjustment, the following adjustment must be performed.

- Void area adjustment

- 1) Hold and push the [MENU] key and the [OK] key, turn on the power.  
("PCU DIAG MODE \*\*\*\*" is displayed.)  
\* Do not touch the keys for about 8sec after releasing fingers from the above keys.
- 2) Push the [MENU] key several times until "TEST PRINT" is displayed, and push the [OK] key to enter the test print mode.
- 3) Make a print with "1".
- 4) Press [MENU] key several times to set all Voids to "35".
- 5) Push the [MENU] key several times until LEAD EDGE is displayed, and push the [OK] key.
- 6) Check the print and use [ $\Delta$ ] or [ $\nabla$ ] key to adjust the value LEAD EDGE so that the distance shown in the figure below is within the specified range.

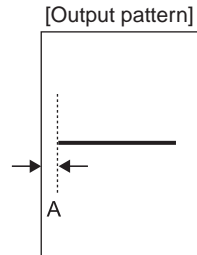
7) Check that the print lead edge is within the specified range.

#### <Specification>

|   | Set position                                   | Specification  | Set value   |
|---|--|--|---|
| Self print lead edge adjustment (LEAD EDGE) | Print start position A of the output pattern 1 | A = 4.0mm or less (Lead and tail total: 8.0mm or less) | Shift of 0.175mm (35ppm) / 0.225mm (45ppm) for set value 1. |

To increase the print lead edge, decrease the set value with [▽] key.

To decrease the print lead edge, increase the set value with [△] key.



### D. Void area adjustment

This adjustment is performed in the following cases:

- When the print start position is improper.  
(Check with the self print pattern "71".)
- When the LSU is replaced.

Before executing this adjustment, the following adjustments must have been completed.

- LSU right-angle adjustment
  - Print off-center adjustment
- 1) Hold and push the [MENU] key and the [OK] key, turn on the power. ("PCU DIAG MODE \*\*\*\*" is displayed.)
    - \* Do not touch the keys for about 8sec after releasing fingers from the above keys.
  - 2) Push the [MENU] key several times until "TEST PRINT" is displayed, and push the [OK] key to enter the test print mode.
  - 3) Make a print with "71".
  - 4) Push the [MENU] key several times until LEAD EDGE VOID is displayed, and push the [OK] key.
  - 5) Check the print and use [△] or [▽] key to adjust the value LEAD EDGE VOID so that the distance A shown in the figure below is within the specified range.
  - 6) Push the [MENU] key several times until TAIL EDGE VOID is displayed, and push the [OK] key to make a self print.
  - 7) Check the self print and use [△] or [▽] key to adjust the value of TAIL EDGE VOID so that the distance B in the figure below is within the specified range.
  - 8) Push the [MENU] key several times to display SIDE EDGE VOID, and push the [OK] key to make a self print.
  - 9) Check the self print and use [△] or [▽] key to adjust the value of SIDE EDGE VOID so that the total of distances C and D in the figure below is within the specified range.

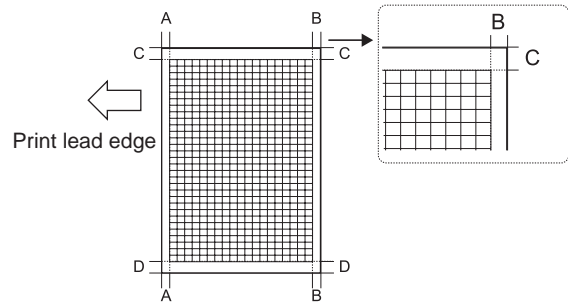
10) Check that the lead edge is within the specified range.

#### <Specification>

|  | Measuring point                  | Specification  | Set value                        |
|--|----------------------------------|--|----------------------------------|
| Lead edge void adjustment (LEAD EDGE VOID) | Output pattern 71 print void A   | A = 4.0mm or less (Total of A and B = 8.0mm or less) | Shift of 0.1 mm for set value 1. |
| Rear edge void adjustment (TAIL EDGE VOID) | Output pattern 71 print void B   | B = 4.0mm or less (Total of A and B = 8.0mm or less) |                                  |
| Side edge void adjustment (SIDE EDGE VOID) | Output pattern 71 print void C-D | Total of C and D = 8.0mm or less                     |                                  |

To decrease the void quantity, decrease the set value with [▽] key.

To increase the void quantity, increase the set value with [△] key.



### E. Resist quantity adjustment

This adjustment is performed in the following cases:

- When the void quantity is changed by the paper feed tray.
- When paper feed skew occurs.

Before executing this adjustment, the following adjustments must have been completed.

- LSU right-angle adjustment
  - Print off-center adjustment
  - Void area adjustment
- 1) Hold and push the [MENU] key and the [OK] key, turn on the power. ("PCU DIAG MODE \*\*\*\*" is displayed.)
    - \* Do not touch the keys for about 8sec after releasing fingers from the above keys.
  - 2) Push the [MENU] key several times until "TEST PRINT" is displayed, and push the [OK] key to enter the test print mode.
  - 3) Make a print with "71" from each paper feed tray.
  - 4) Push the [MENU] key several times until PAPER BUCKLE is displayed.  
Adjust the resist quantity so that paper is transported normally.

#### <Factory setup>

|       |      |    |
|-------|------|----|
| 45PPM | BPT  | 55 |
|       | T1   | 60 |
|       | T2   | 50 |
|       | DESK | 50 |
|       | ADU  | 50 |
| 35PPM | BPT  | 60 |
|       | T1   | 65 |
|       | T2   | 55 |
|       | DESK | 55 |
|       | ADU  | 55 |

# [10] DIAG

## 1.Diag mode

When the scanner unit is not installed, the machine can be checked and tested with the following diag mode.

Note: If the scanner unit is installed, this mode does not work.

### A. Entering the diag mode

With the power OFF, hold and press the [MENU] key and the [OK] key, and at the same time turn on the power.

### B. Selecting diag menus

Press the [MENU] key to change the diag menu.

Pressing OPERATION GUIDE key returns to the previous menu.

Press the [OK] key to execute the test.

Press [△] or [▽] key to go to the input menu.

Press the [BACK/C] key to return to the previous menu.

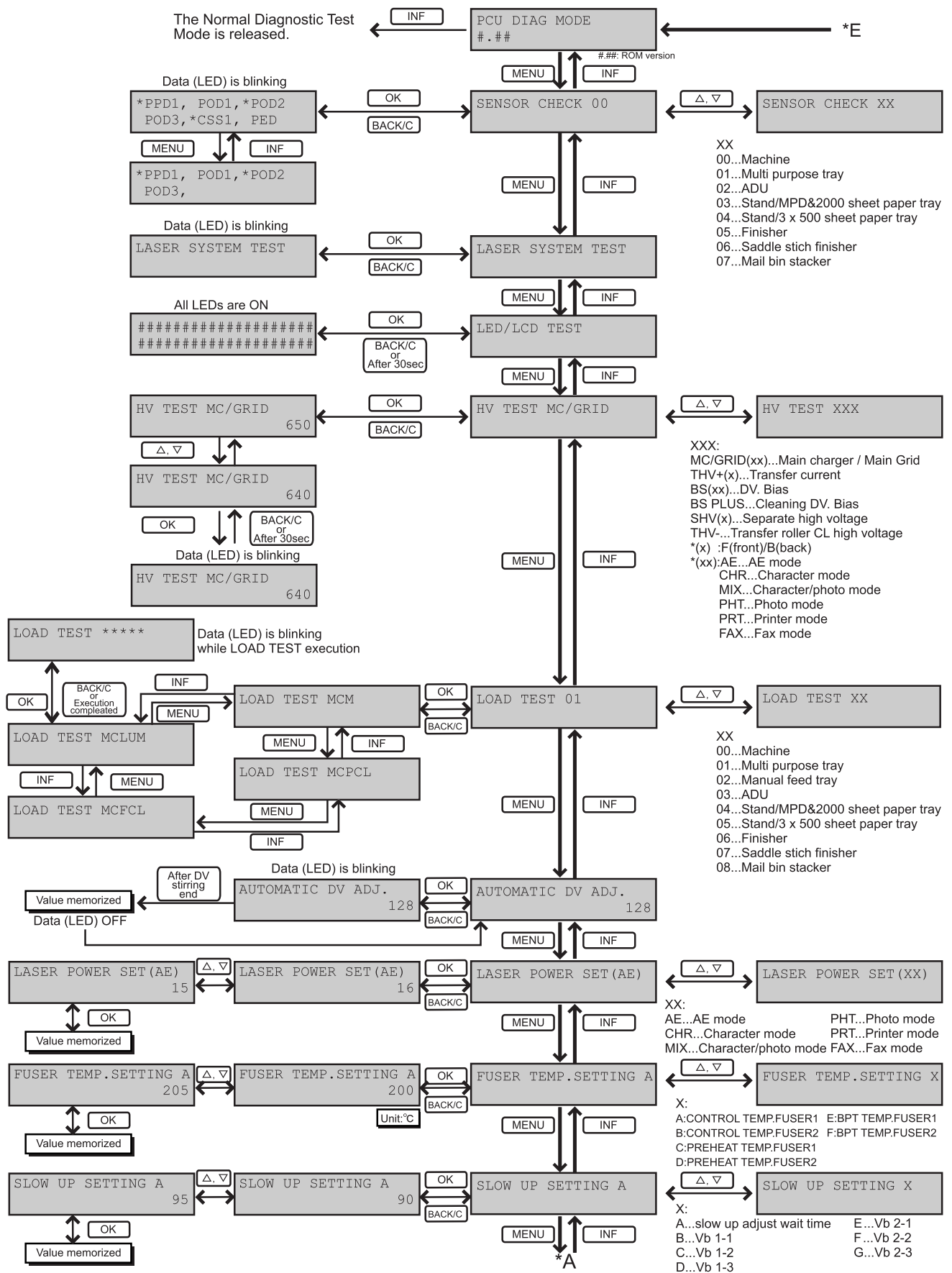
### C. Canceling the diag mode

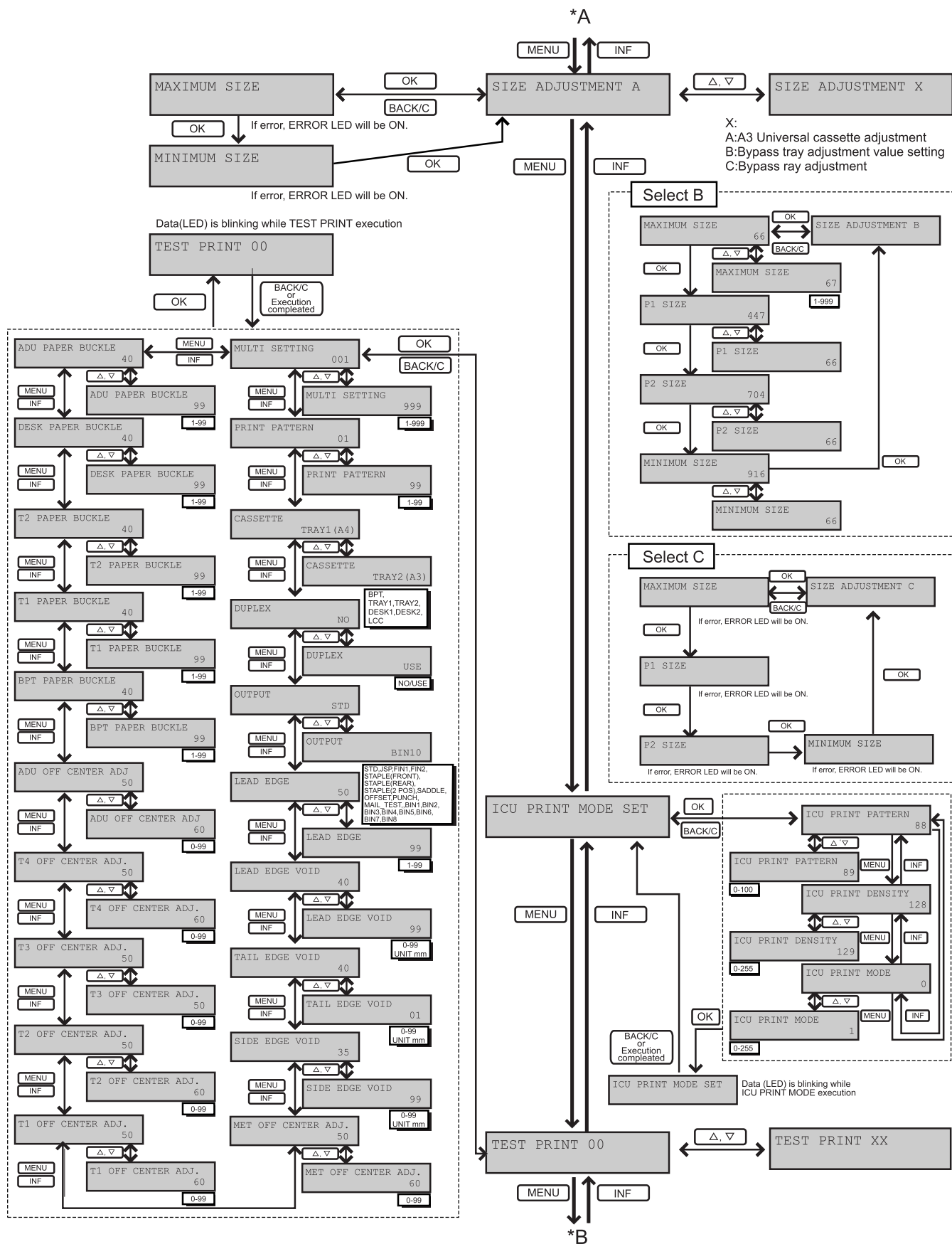
Turn off the power to cancel the diag mode.

## D. Diag mode list

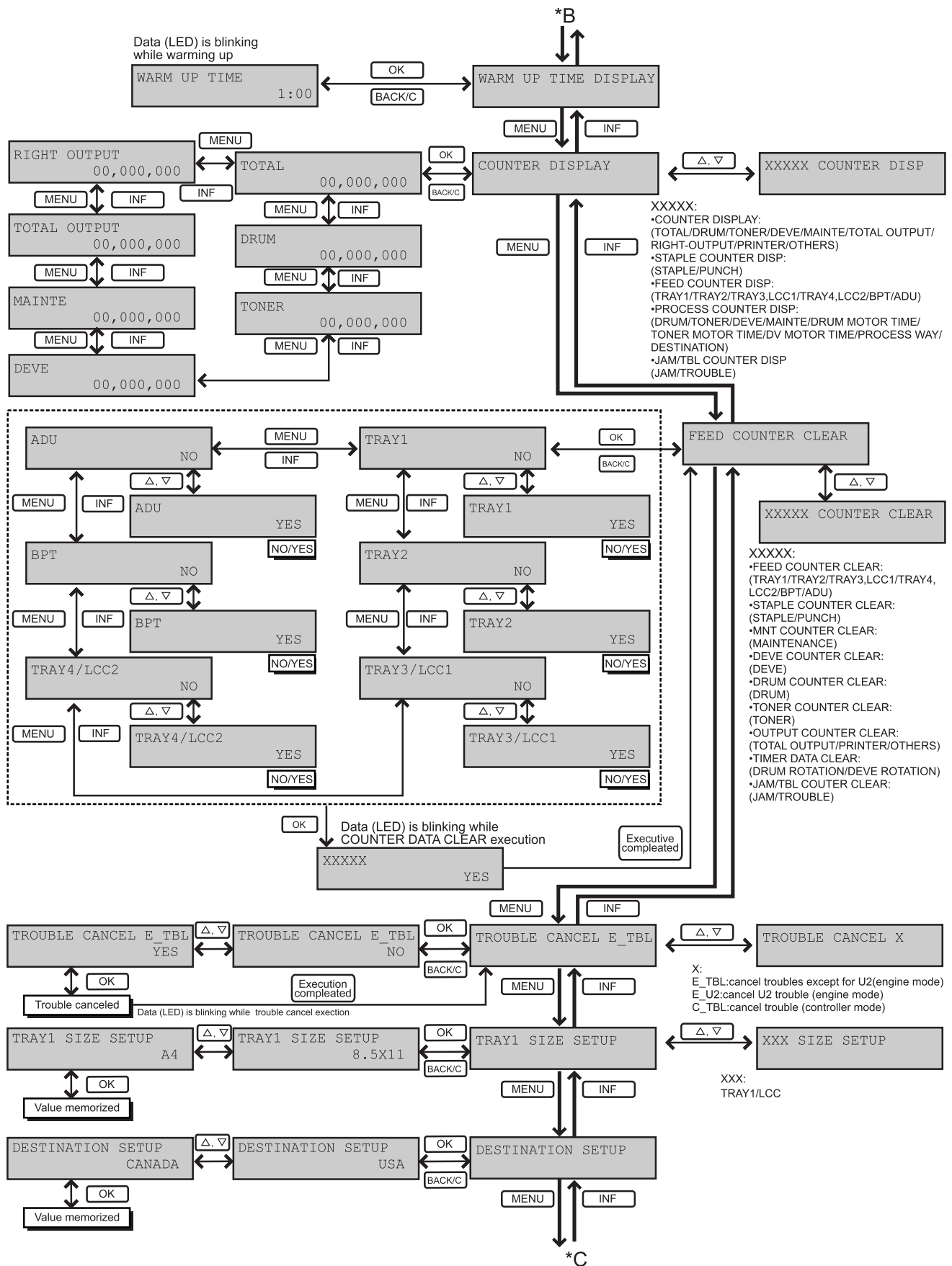
| Menu                             | LCD display              |
|----------------------------------|--------------------------|
| Diag mode initial display        | PCU DIAG MODE #          |
| Sensor check mode                | SENSOR CHECK XX          |
| LSU test                         | LASER SYSTEM TEST        |
| LED/LCD test                     | LED/LCD TEST             |
| High voltage test                | HV TEST XXX              |
| Operation test mode              | LOAD TEST XX             |
| Auto developer adjustment        | AUTOMATIC DV ADJ.        |
| Laser output setup               | LASER OUTPUT SETUP (XXX) |
| Fusing temperature setup         | FUSER TEMP. SETTING X    |
| Process control value setup      | SLOW UP SETTING          |
| Paper feed size setup            | SIZE ADJUSTMENT X        |
| ICU print mode setup             | ICU PRINT MODE SET       |
| Test print                       | TEST PRINT XX            |
| Warm-up time display             | WARM UP TIME DISPLAY     |
| Counter display                  | COUNTER DISPLAY          |
| Counter clear                    | COUNTER CLEAR            |
| Trouble cancel                   | TROUBLE CANCEL X         |
| Paper feed tray size setup       | XXX SIZE SETUP           |
| Destination setup                | DESTINATION SETUP        |
| Paper feed tray paper type setup | TRAY DETECT TYPE xx      |
| CE mark setup                    | CE MARK SETTING          |
| A3 count mode setup              | COUNTUP MODE SETUP X     |
| Maintenance cycle setup          | MNT CYCLE SETUP          |
| Operation-at-life-over setup     | LIFE OVER SETTING        |
| Finisher jogger adjustment       | FINISHER JOGGER ADJ.     |
| Console finisher setup           | CONSOLE FIN. SET X       |
| Trouble memory mode setup        | MEMORY MODE SETTING      |
| Last JAM code display            | LAST JAM CODE DISP       |
| System information display       | SYSTEM INFORMATION X     |
| Process control data display     | PROCESS DATA DISP X      |
| Port check                       | CENTRO PORT CHECK        |
| SELECT IN signal setup           | SELECT IN SIGNAL SET     |

## E. Diag mode menu transition

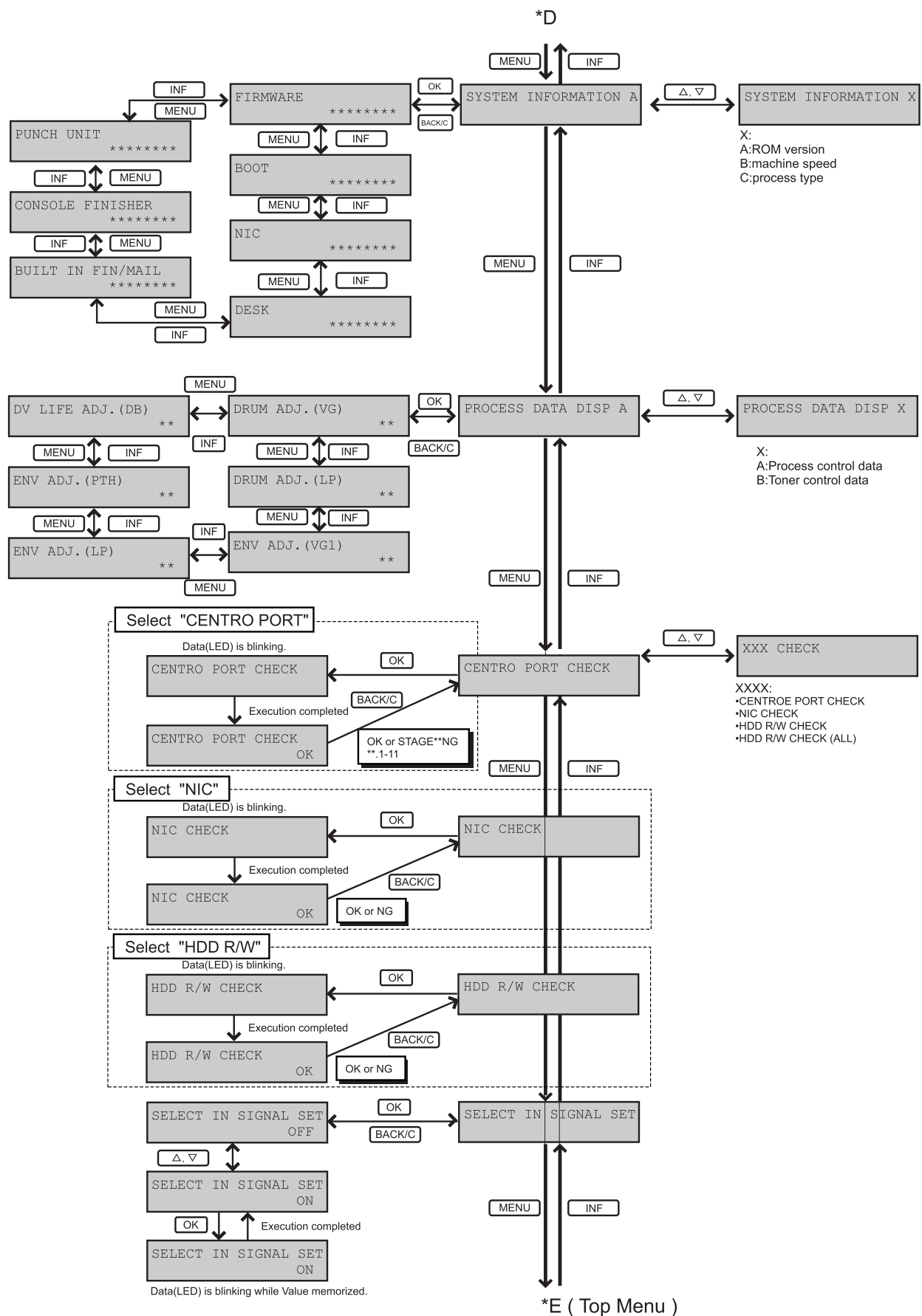












## F. Diag mode

| Menu            | Content   | Initial value | Set range                          |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
|-----------------|---|---------------|------------------------------------|---------|---------------------------|------|---------------------|------|-----------------------|------|---------------------|------|------------------------|------|-------------------|-----|---------------|------|---------------------------|-----|---------------|-----|-----------------------|-------|----------------------|-----|-----------------------------|--|--|-------|---------------|-------|----------------------------------|-------|---------------------------|-------|------------------------|-------|----------------------|-------|------------------------|-------|----------------------|-------|-------------------------|-------|----------------------|-------|-------------------------|-------|----------------------|-------|-------------------------|-------|--------------------|-------|------------------|-------|-----------------------|------|------|-------|-----------------------|------|------|------|---------------------------|------|------|-------|---------------------------|------|------|------|--------------------------|------|------|--------|---------------------------|------|------|-------|---------------------------|--|--|-----|---------------------------------|------|------------------------------------|-----|-----------------------|------|-------------------------------|------|--------------------------|------|-------------------------------|------|--------------------------|------|--------------------------|------|------------------------------------|------|--------------------------|--|--|
| PCU DIAG MODE # | <p><b>Initial screen of the diag mode</b></p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> PCU DIAG MODE<br/> # . # # </div> <p>*To terminate the diag mode, turn off and on the power.<br/> *PCU ROM number is displayed in the #.</p>  |               |                                    |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| SENSOR CHECK XX | <p><b>SENSOR Check mode.</b><br/> Used to check the sensors of the machine and the options.<br/> (LCD display)</p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> LASER SYSTEM TEST </div> <p>*Pressing [△] or [▽] key selects the sensor group for the Sensor check mode.</p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> *PPD1, POD1, *POD2<br/> POD3, *CSS1, PED </div> <p>*Pressing [OK] key starts the selected Sensor check.<br/> *DATA ( LED) blinks during the processing<br/> *Using [MENU] moves to the next sensor data.<br/> *Pressing [BACK/C] key terminates the Sensor check Mode.</p> <p>(Selectable sensor group)</p> <p>00 : machine</p> <table border="1"> <tr><td>PPD1</td><td>Paper transport sensor 1</td><td>DVCRUin</td><td>DV unit initial detection</td></tr> <tr><td>POD1</td><td>Paper exit sensor 1</td><td>DSWL</td><td>Left door open sensor</td></tr> <tr><td>POD2</td><td>Paper exit sensor 2</td><td>DSWF</td><td>Front door open sensor</td></tr> <tr><td>POD3</td><td>Paper full sensor</td><td>ADU</td><td>ADU detection</td></tr> <tr><td>CSS1</td><td>Cassette detection sensor</td><td>MPF</td><td>BPT detection</td></tr> <tr><td>PED</td><td>Paper empty detection</td><td>DSW_D</td><td>ADU door open sensor</td></tr> <tr><td>LUD</td><td>Cassette upper limit sensor</td><td></td><td></td></tr> </table> <p>01 : Multi purpose tray</p> <table border="1"> <tr><td>MCSET</td><td>MPT detection</td><td>MCSPD</td><td>MPT remaining quantity detection</td></tr> <tr><td>MCDRS</td><td>MPT side door open sensor</td><td>MCLUD</td><td>MPT upper limit sensor</td></tr> <tr><td>MCSS4</td><td>MPT size detection 4</td><td>MCPED</td><td>MPT paper empty sensor</td></tr> <tr><td>MCSS3</td><td>MPT size detection 3</td><td>MCPPD</td><td>MPT transport detection</td></tr> <tr><td>MCSS2</td><td>MPT size detection 2</td><td>DPFD1</td><td>MPT transport detection</td></tr> <tr><td>MCSS1</td><td>MPT size detection 1</td><td>TPFD1</td><td>MPT transport detection</td></tr> </table> <p>02 : ADU/Operation panel</p> <table border="1"> <tr><td>MPLD1</td><td>Length detection 1</td><td>KEYin</td><td>Key input signal</td></tr> <tr><td>MPLS2</td><td>BPT draw out sensor 2</td><td>KEY1</td><td>Key1</td></tr> <tr><td>MPLS1</td><td>BPT draw out sensor 1</td><td>KEY2</td><td>Key2</td></tr> <tr><td>MPED</td><td>MPT paper empty detection</td><td>KEY3</td><td>Key3</td></tr> <tr><td>AINPD</td><td>ADU paper entry detection</td><td>KEY4</td><td>Key4</td></tr> <tr><td>APOD</td><td>ADU paper exit detection</td><td>KEY5</td><td>Key5</td></tr> <tr><td>APPDCP</td><td>ADU transport detection 1</td><td>KEY6</td><td>Key6</td></tr> <tr><td>APPD2</td><td>ADU transport detection 2</td><td></td><td></td></tr> </table> <p>03 : LCC desk (AR-D13)</p> <table border="1"> <tr><td>DRS</td><td>side door open detection sensor</td><td>SPD1</td><td>Tray1 remaining quantity detection</td></tr> <tr><td>TSD</td><td>Tray detection sensor</td><td>PED2</td><td>Tray paper detection sensor 2</td></tr> <tr><td>LUD2</td><td>Tray2 upper limit sensor</td><td>PED1</td><td>Tray paper detection sensor 1</td></tr> <tr><td>LUD1</td><td>Tray1 upper limit sensor</td><td>PFD3</td><td>Paper transport sensor 3</td></tr> <tr><td>SPD2</td><td>Tray2 remaining quantity detection</td><td>PFD2</td><td>Paper transport sensor 2</td></tr> </table> <p>When the specified sensor is active, " * "mark will appear before the sensor name.</p> | PPD1          | Paper transport sensor 1           | DVCRUin | DV unit initial detection | POD1 | Paper exit sensor 1 | DSWL | Left door open sensor | POD2 | Paper exit sensor 2 | DSWF | Front door open sensor | POD3 | Paper full sensor | ADU | ADU detection | CSS1 | Cassette detection sensor | MPF | BPT detection | PED | Paper empty detection | DSW_D | ADU door open sensor | LUD | Cassette upper limit sensor |  |  | MCSET | MPT detection | MCSPD | MPT remaining quantity detection | MCDRS | MPT side door open sensor | MCLUD | MPT upper limit sensor | MCSS4 | MPT size detection 4 | MCPED | MPT paper empty sensor | MCSS3 | MPT size detection 3 | MCPPD | MPT transport detection | MCSS2 | MPT size detection 2 | DPFD1 | MPT transport detection | MCSS1 | MPT size detection 1 | TPFD1 | MPT transport detection | MPLD1 | Length detection 1 | KEYin | Key input signal | MPLS2 | BPT draw out sensor 2 | KEY1 | Key1 | MPLS1 | BPT draw out sensor 1 | KEY2 | Key2 | MPED | MPT paper empty detection | KEY3 | Key3 | AINPD | ADU paper entry detection | KEY4 | Key4 | APOD | ADU paper exit detection | KEY5 | Key5 | APPDCP | ADU transport detection 1 | KEY6 | Key6 | APPD2 | ADU transport detection 2 |  |  | DRS | side door open detection sensor | SPD1 | Tray1 remaining quantity detection | TSD | Tray detection sensor | PED2 | Tray paper detection sensor 2 | LUD2 | Tray2 upper limit sensor | PED1 | Tray paper detection sensor 1 | LUD1 | Tray1 upper limit sensor | PFD3 | Paper transport sensor 3 | SPD2 | Tray2 remaining quantity detection | PFD2 | Paper transport sensor 2 |  |  |
| PPD1            | Paper transport sensor 1  | DVCRUin       | DV unit initial detection          |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| POD1            | Paper exit sensor 1   | DSWL          | Left door open sensor              |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| POD2            | Paper exit sensor 2   | DSWF          | Front door open sensor             |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| POD3            | Paper full sensor   | ADU           | ADU detection                      |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| CSS1            | Cassette detection sensor   | MPF           | BPT detection                      |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| PED             | Paper empty detection   | DSW_D         | ADU door open sensor               |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| LUD             | Cassette upper limit sensor   |               |                                    |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| MCSET           | MPT detection   | MCSPD         | MPT remaining quantity detection   |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| MCDRS           | MPT side door open sensor   | MCLUD         | MPT upper limit sensor             |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| MCSS4           | MPT size detection 4  | MCPED         | MPT paper empty sensor             |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| MCSS3           | MPT size detection 3  | MCPPD         | MPT transport detection            |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| MCSS2           | MPT size detection 2  | DPFD1         | MPT transport detection            |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| MCSS1           | MPT size detection 1  | TPFD1         | MPT transport detection            |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| MPLD1           | Length detection 1  | KEYin         | Key input signal                   |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| MPLS2           | BPT draw out sensor 2   | KEY1          | Key1                               |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| MPLS1           | BPT draw out sensor 1   | KEY2          | Key2                               |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| MPED            | MPT paper empty detection   | KEY3          | Key3                               |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| AINPD           | ADU paper entry detection   | KEY4          | Key4                               |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| APOD            | ADU paper exit detection  | KEY5          | Key5                               |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| APPDCP          | ADU transport detection 1   | KEY6          | Key6                               |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| APPD2           | ADU transport detection 2   |               |                                    |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| DRS             | side door open detection sensor   | SPD1          | Tray1 remaining quantity detection |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| TSD             | Tray detection sensor   | PED2          | Tray paper detection sensor 2      |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| LUD2            | Tray2 upper limit sensor  | PED1          | Tray paper detection sensor 1      |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| LUD1            | Tray1 upper limit sensor  | PFD3          | Paper transport sensor 3           |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |
| SPD2            | Tray2 remaining quantity detection  | PFD2          | Paper transport sensor 2           |         |                           |      |                     |      |                       |      |                     |      |                        |      |                   |     |               |      |                           |     |               |     |                       |       |                      |     |                             |  |  |       |               |       |                                  |       |                           |       |                        |       |                      |       |                        |       |                      |       |                         |       |                      |       |                         |       |                      |       |                         |       |                    |       |                  |       |                       |      |      |       |                       |      |      |      |                           |      |      |       |                           |      |      |      |                          |      |      |        |                           |      |      |       |                           |  |  |     |                                 |      |                                    |     |                       |      |                               |      |                          |      |                               |      |                          |      |                          |      |                                    |      |                          |  |  |

| Menu   | Content   |       |  |  | Initial value | Set range                  |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
|--|---|-------|--|--|---------------|----------------------------|------|--------------------------|------|--|-------|--|------|--|-------|--|-------|--|-------|--|-------|--|-------|--|-------|--|------|------------------------------|-------|--|------|----------------------------------|------|------------------------------|------|--------------------------|------|----------------------------------|--|--|------|----------------------|------|--------------------------------|-----|----------------------------|-----|-------------------------|------|---------------------------------------|------|----------------------------------|-----|-----------------------|------|------------------------------------|------|-----------------------|------|---------------|------|--------------------------|------|----------------------------|------|--------------------------|------|---------------------------|------|-----------------------------|------|------------------|------|------------------------------|------|---------------------|-------|---|------|--------------------------------|-------|----------------------------------|------|------------------------------|-------|----------------------------------|------|---------------------------------|-------|---|--|--|----|---------------------|------|----------------------------|-------|--------------------------|----|------------------|-----|----------------------------|------|-------------------|-----|-------------------|-----|-------------------|-------|---------------------|----|--------------------------|-------|---------------------|-----|--------------------------|-------|---------------------|-------|------------------------------|-------|---------------------|------|----------------------------------|-----|---------------------|-----|-----------------------------|-----|-----------------------|-----|--------------------|----|--------------|-----|-------------------|------|-------------------|-------|--------------------------------|-----|--------------------|----|-----------------------|-----|-------------------|-------|---------------------------------------|-----|-------------------|-------|--|-----|------------------------------|-------|------------------------------------|----|---------------|------|-----------------------------|-------|------------------------------|----|--------------|------|---------------|------|--------------------------|-----|-----------------|------|--------------------------|------|-----------------|------|--------------------------|------|--------------------------|------|--------------------------|------|--------------------------|------|--------------------------|------|--------------------------|------|--------------------------|------|--------------------------|------|--------------------------|------|--------------------------|------|--------------------------|-----|----------------------------------|--|--|--|--|
| SENSOR CHECK XX  | <b>SENSOR Check mode.</b><br>Used to check the sensors of the machine and the options.<br><br>(Selectable sensor group)<br>04 : 3 tray desk (AR-D14) <table><tr><td>DRS</td><td>Door open detection sensor</td><td>PFD3</td><td>Paper transport sensor 3</td></tr><tr><td>SPD2</td><td>Cassette2 remaining quantity detection</td><td>CSS14</td><td>Cassette1 paper rear edge detection sensor 4</td></tr><tr><td>SPD1</td><td>Cassette1 remaining quantity detection</td><td>CSS13</td><td>Cassette1 paper rear edge detection sensor 3</td></tr><tr><td>CSS24</td><td>Cassette2 paper rear edge detection sensor 4</td><td>CSS12</td><td>Cassette1 paper rear edge detection sensor 2</td></tr><tr><td>CSS23</td><td>Cassette2 paper rear edge detection sensor 3</td><td>CSS11</td><td>Cassette1 paper rear edge detection sensor 1</td></tr><tr><td>CSS22</td><td>Cassette2 paper rear edge detection sensor 2</td><td>LUD1</td><td>Cassette1 upper limit sensor</td></tr><tr><td>CSS21</td><td>Cassette2 paper rear edge detection sensor 1</td><td>PED1</td><td>Cassette1 paper detection sensor</td></tr><tr><td>LUD2</td><td>Cassette2 upper limit sensor</td><td>PFD2</td><td>Paper transport sensor 2</td></tr><tr><td>PED2</td><td>Cassette2 paper detection sensor</td><td></td><td></td></tr></table> 05 : FINISHER (AR-FN6) <table><tr><td>STHP</td><td>Stapler HP detection</td><td>PSHP</td><td>Pusher home position detection</td></tr><tr><td>POD</td><td>Tray2 exit paper detection</td><td>PPD</td><td>Paper holding detection</td></tr><tr><td>SCID</td><td>Staple compiler paper entry detection</td><td>DSW2</td><td>Staple door open/close detection</td></tr><tr><td>PID</td><td>Paper entry detection</td><td>DSW1</td><td>Compiler jam cancel door detection</td></tr><tr><td>T2PD</td><td>Tray2 paper detection</td><td>24VM</td><td>24V detection</td></tr><tr><td>T2DN</td><td>Tray2 lower limit sensor</td><td>T1PF</td><td>Tray1 paper full detection</td></tr><tr><td>T2UP</td><td>Tray2 upper limit sensor</td><td>STSP</td><td>Stapler prepare detection</td></tr><tr><td>JRHP</td><td>Jogger home position (rear)</td><td>STLS</td><td>Staple detection</td></tr><tr><td>JFHP</td><td>Jogger home position (front)</td><td>STNC</td><td>Cartridge detection</td></tr><tr><td>SCID2</td><td>Staple compiler paper entry detection 2</td><td>DOPD</td><td>Relay unit door open detection</td></tr><tr><td>STHP2</td><td>Staple Revolution HP detection 2</td><td>MMLK</td><td>Main drive motor lock sensor</td></tr><tr><td>STHP1</td><td>Staple Revolution HP detection 1</td><td>SCPD</td><td>Staple compiler paper detection</td></tr><tr><td>STUHP</td><td>Staple movement home position detection</td><td></td><td></td></tr></table> 06 : CONSOLE FINISHER (AR-FN7) <table><tr><td>PE</td><td>Punch motor encoder</td><td>SHPS</td><td>Slide home position sensor</td></tr><tr><td>PSHPS</td><td>Punch side home position</td><td>LE</td><td>Lift lock sensor</td></tr><tr><td>PUC</td><td>Punch connection detection</td><td>LLLS</td><td>Lift lower sensor</td></tr><tr><td>PDS</td><td>Punch dust sensor</td><td>ULS</td><td>Lift upper sensor</td></tr><tr><td>PDSS4</td><td>Punch side sensor 4</td><td>FE</td><td>Bookbinding clock sensor</td></tr><tr><td>PDSS3</td><td>Punch side sensor 3</td><td>FES</td><td>Bookbinding paper sensor</td></tr><tr><td>PDSS2</td><td>Punch side sensor 2</td><td>FRHPS</td><td>Bookbinding roller HP sensor</td></tr><tr><td>PDSS1</td><td>Punch side sensor 1</td><td>FHPS</td><td>Bookbinding home position sensor</td></tr><tr><td>PTS</td><td>Punch timing sensor</td><td>FPS</td><td>Bookbinding position sensor</td></tr><tr><td>SSS</td><td>Stapler safety switch</td><td>SLS</td><td>Paper level sensor</td></tr><tr><td>JS</td><td>Joint switch</td><td>BES</td><td>Tray paper sensor</td></tr><tr><td>FDSW</td><td>Front door switch</td><td>OBHPS</td><td>Exit belt home position sensor</td></tr><tr><td>TCS</td><td>Upper caver sensor</td><td>AS</td><td>Alignment tray sensor</td></tr><tr><td>FDS</td><td>Front door sensor</td><td>RJHPS</td><td>Alignment home position sensor (rear)</td></tr><tr><td>SPS</td><td>Self prime sensor</td><td>FJHPS</td><td>Alignment home position sensor (front)</td></tr><tr><td>SUC</td><td>Stapler connection detection</td><td>ARHPS</td><td>Bundle roller home position sensor</td></tr><tr><td>SS</td><td>Staple sensor</td><td>PHPS</td><td>Paddle home position sensor</td></tr><tr><td>STHPS</td><td>Stapler home position sensor</td><td>ES</td><td>Entry sensor</td></tr></table> 07 : Mail bin stacker (AR-MS1) <table><tr><td>24VM</td><td>24V detection</td><td>PFD8</td><td>Tray paper exit sensor 8</td></tr><tr><td>DD1</td><td>Jam cancel door</td><td>PFD7</td><td>Tray paper exit sensor 7</td></tr><tr><td>DOPD</td><td>Relay unit door</td><td>PFD6</td><td>Tray paper exit sensor 6</td></tr><tr><td>PPD5</td><td>Paper transport sensor 5</td><td>PFD5</td><td>Tray paper exit sensor 5</td></tr><tr><td>PPD4</td><td>Paper transport sensor 4</td><td>PFD4</td><td>Tray paper exit sensor 4</td></tr><tr><td>PPD3</td><td>Paper transport sensor 3</td><td>PFD3</td><td>Tray paper exit sensor 3</td></tr><tr><td>PPD2</td><td>Paper transport sensor 2</td><td>PFD2</td><td>Tray paper exit sensor 2</td></tr><tr><td>PPD1</td><td>Paper transport sensor 1</td><td>PFD1</td><td>Tray paper exit sensor 1</td></tr><tr><td>PID</td><td>Relay unit paper entry detection</td><td></td><td></td></tr></table> |       |  |  | DRS           | Door open detection sensor | PFD3 | Paper transport sensor 3 | SPD2 | Cassette2 remaining quantity detection | CSS14 | Cassette1 paper rear edge detection sensor 4 | SPD1 | Cassette1 remaining quantity detection | CSS13 | Cassette1 paper rear edge detection sensor 3 | CSS24 | Cassette2 paper rear edge detection sensor 4 | CSS12 | Cassette1 paper rear edge detection sensor 2 | CSS23 | Cassette2 paper rear edge detection sensor 3 | CSS11 | Cassette1 paper rear edge detection sensor 1 | CSS22 | Cassette2 paper rear edge detection sensor 2 | LUD1 | Cassette1 upper limit sensor | CSS21 | Cassette2 paper rear edge detection sensor 1 | PED1 | Cassette1 paper detection sensor | LUD2 | Cassette2 upper limit sensor | PFD2 | Paper transport sensor 2 | PED2 | Cassette2 paper detection sensor |  |  | STHP | Stapler HP detection | PSHP | Pusher home position detection | POD | Tray2 exit paper detection | PPD | Paper holding detection | SCID | Staple compiler paper entry detection | DSW2 | Staple door open/close detection | PID | Paper entry detection | DSW1 | Compiler jam cancel door detection | T2PD | Tray2 paper detection | 24VM | 24V detection | T2DN | Tray2 lower limit sensor | T1PF | Tray1 paper full detection | T2UP | Tray2 upper limit sensor | STSP | Stapler prepare detection | JRHP | Jogger home position (rear) | STLS | Staple detection | JFHP | Jogger home position (front) | STNC | Cartridge detection | SCID2 | Staple compiler paper entry detection 2 | DOPD | Relay unit door open detection | STHP2 | Staple Revolution HP detection 2 | MMLK | Main drive motor lock sensor | STHP1 | Staple Revolution HP detection 1 | SCPD | Staple compiler paper detection | STUHP | Staple movement home position detection |  |  | PE | Punch motor encoder | SHPS | Slide home position sensor | PSHPS | Punch side home position | LE | Lift lock sensor | PUC | Punch connection detection | LLLS | Lift lower sensor | PDS | Punch dust sensor | ULS | Lift upper sensor | PDSS4 | Punch side sensor 4 | FE | Bookbinding clock sensor | PDSS3 | Punch side sensor 3 | FES | Bookbinding paper sensor | PDSS2 | Punch side sensor 2 | FRHPS | Bookbinding roller HP sensor | PDSS1 | Punch side sensor 1 | FHPS | Bookbinding home position sensor | PTS | Punch timing sensor | FPS | Bookbinding position sensor | SSS | Stapler safety switch | SLS | Paper level sensor | JS | Joint switch | BES | Tray paper sensor | FDSW | Front door switch | OBHPS | Exit belt home position sensor | TCS | Upper caver sensor | AS | Alignment tray sensor | FDS | Front door sensor | RJHPS | Alignment home position sensor (rear) | SPS | Self prime sensor | FJHPS | Alignment home position sensor (front) | SUC | Stapler connection detection | ARHPS | Bundle roller home position sensor | SS | Staple sensor | PHPS | Paddle home position sensor | STHPS | Stapler home position sensor | ES | Entry sensor | 24VM | 24V detection | PFD8 | Tray paper exit sensor 8 | DD1 | Jam cancel door | PFD7 | Tray paper exit sensor 7 | DOPD | Relay unit door | PFD6 | Tray paper exit sensor 6 | PPD5 | Paper transport sensor 5 | PFD5 | Tray paper exit sensor 5 | PPD4 | Paper transport sensor 4 | PFD4 | Tray paper exit sensor 4 | PPD3 | Paper transport sensor 3 | PFD3 | Tray paper exit sensor 3 | PPD2 | Paper transport sensor 2 | PFD2 | Tray paper exit sensor 2 | PPD1 | Paper transport sensor 1 | PFD1 | Tray paper exit sensor 1 | PID | Relay unit paper entry detection |  |  |  |  |
| DRS  | Door open detection sensor  | PFD3  | Paper transport sensor 3                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| SPD2   | Cassette2 remaining quantity detection  | CSS14 | Cassette1 paper rear edge detection sensor 4 |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| SPD1   | Cassette1 remaining quantity detection  | CSS13 | Cassette1 paper rear edge detection sensor 3 |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| CSS24  | Cassette2 paper rear edge detection sensor 4  | CSS12 | Cassette1 paper rear edge detection sensor 2 |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| CSS23  | Cassette2 paper rear edge detection sensor 3  | CSS11 | Cassette1 paper rear edge detection sensor 1 |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| CSS22  | Cassette2 paper rear edge detection sensor 2  | LUD1  | Cassette1 upper limit sensor                 |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| CSS21  | Cassette2 paper rear edge detection sensor 1  | PED1  | Cassette1 paper detection sensor             |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| LUD2   | Cassette2 upper limit sensor  | PFD2  | Paper transport sensor 2                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PED2   | Cassette2 paper detection sensor  |       |  |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| STHP   | Stapler HP detection  | PSHP  | Pusher home position detection               |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| POD  | Tray2 exit paper detection  | PPD   | Paper holding detection                      |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| SCID   | Staple compiler paper entry detection   | DSW2  | Staple door open/close detection             |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PID  | Paper entry detection   | DSW1  | Compiler jam cancel door detection           |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| T2PD   | Tray2 paper detection   | 24VM  | 24V detection                                |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| T2DN   | Tray2 lower limit sensor  | T1PF  | Tray1 paper full detection                   |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| T2UP   | Tray2 upper limit sensor  | STSP  | Stapler prepare detection                    |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| JRHP   | Jogger home position (rear)   | STLS  | Staple detection                             |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| JFHP   | Jogger home position (front)  | STNC  | Cartridge detection                          |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| SCID2  | Staple compiler paper entry detection 2   | DOPD  | Relay unit door open detection               |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| STHP2  | Staple Revolution HP detection 2  | MMLK  | Main drive motor lock sensor                 |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| STHP1  | Staple Revolution HP detection 1  | SCPD  | Staple compiler paper detection              |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| STUHP  | Staple movement home position detection   |       |  |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PE   | Punch motor encoder   | SHPS  | Slide home position sensor                   |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PSHPS  | Punch side home position  | LE    | Lift lock sensor                             |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PUC  | Punch connection detection  | LLLS  | Lift lower sensor                            |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PDS  | Punch dust sensor   | ULS   | Lift upper sensor                            |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PDSS4  | Punch side sensor 4   | FE    | Bookbinding clock sensor                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PDSS3  | Punch side sensor 3   | FES   | Bookbinding paper sensor                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PDSS2  | Punch side sensor 2   | FRHPS | Bookbinding roller HP sensor                 |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PDSS1  | Punch side sensor 1   | FHPS  | Bookbinding home position sensor             |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PTS  | Punch timing sensor   | FPS   | Bookbinding position sensor                  |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| SSS  | Stapler safety switch   | SLS   | Paper level sensor                           |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| JS   | Joint switch  | BES   | Tray paper sensor                            |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| FDSW   | Front door switch   | OBHPS | Exit belt home position sensor               |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| TCS  | Upper caver sensor  | AS    | Alignment tray sensor                        |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| FDS  | Front door sensor   | RJHPS | Alignment home position sensor (rear)        |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| SPS  | Self prime sensor   | FJHPS | Alignment home position sensor (front)       |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| SUC  | Stapler connection detection  | ARHPS | Bundle roller home position sensor           |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| SS   | Staple sensor   | PHPS  | Paddle home position sensor                  |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| STHPS  | Stapler home position sensor  | ES    | Entry sensor                                 |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| 24VM   | 24V detection   | PFD8  | Tray paper exit sensor 8                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| DD1  | Jam cancel door   | PFD7  | Tray paper exit sensor 7                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| DOPD   | Relay unit door   | PFD6  | Tray paper exit sensor 6                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PPD5   | Paper transport sensor 5  | PFD5  | Tray paper exit sensor 5                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PPD4   | Paper transport sensor 4  | PFD4  | Tray paper exit sensor 4                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PPD3   | Paper transport sensor 3  | PFD3  | Tray paper exit sensor 3                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PPD2   | Paper transport sensor 2  | PFD2  | Tray paper exit sensor 2                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PPD1   | Paper transport sensor 1  | PFD1  | Tray paper exit sensor 1                     |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| PID  | Relay unit paper entry detection  |       |  |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |
| When the specified sensor is active, " * "mark will appear before the sensor name. |   |       |  |  |               |                            |      |                          |      |  |       |  |      |  |       |  |       |  |       |  |       |  |       |  |       |  |      |                              |       |  |      |                                  |      |                              |      |                          |      |                                  |  |  |      |                      |      |                                |     |                            |     |                         |      |                                       |      |                                  |     |                       |      |                                    |      |                       |      |               |      |                          |      |                            |      |                          |      |                           |      |                             |      |                  |      |                              |      |                     |       |   |      |                                |       |                                  |      |                              |       |                                  |      |                                 |       |   |  |  |    |                     |      |                            |       |                          |    |                  |     |                            |      |                   |     |                   |     |                   |       |                     |    |                          |       |                     |     |                          |       |                     |       |                              |       |                     |      |                                  |     |                     |     |                             |     |                       |     |                    |    |              |     |                   |      |                   |       |                                |     |                    |    |                       |     |                   |       |                                       |     |                   |       |  |     |                              |       |                                    |    |               |      |                             |       |                              |    |              |      |               |      |                          |     |                 |      |                          |      |                 |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |      |                          |     |                                  |  |  |  |  |

| Menu              | Content  | Initial value | Set range |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
|-------------------|--|---------------|-----------|---------------|--|--|--------------|-------------------------------|-----|--|--|----------|----------------------------|-------|---------|---------|-------|---------|---------|---------|-----------------------------|-----|--|--|----------|-------------------------------------|-----|--|--|---------|----------------------------|-------|---------|---------|-------|---------|---------|-------|-------------------------------------|-----|--|--|---|--|---|----------------------------|---|----------------|----|--|----|---------|-----|-----------|-----|-----------------|-----|------------|-----|--------------|-----|----------|--------------------|--|
| LASER SYSTEM TEST | <p><b>LASER System Unit test.</b><br/>Used to check the operation of the laser system.</p> <div>LASER SYSTEM TEST</div> <p>*Pressing [OK] key turns on the polygonal mirror and the laser.<br/>*DATA ( LED) blinks during the processing<br/>*When the polygonal mirror does not rotate and the cover is open, ERROR LED lights up.<br/>When the HSYNC is properly detected, READY lights up.</p>  |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| LED/LCD TEST      | <p><b>LED/LCD display test.</b><br/>Used to check the lighting test of the operation panel LED and LCD.</p> <div>LED/LCD TEST</div> <p>*Pressing [OK] key lights up the all LEDs.<br/>*Test is terminated 30 seconds after, or can be terminated by pressing [BACK/C] key.<br/>(LCD display)</p> <div><div></div><div></div></div> <p>*All LCD dots will be "on" during the operation.</p>   |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| HV TEST XXX       | <p><b>High voltage test.</b><br/>Used to perform the output test from the high voltage PWB.<br/>(LCD display)</p> <div>HV TEST XXX</div> <p>*Pressing [△] or [▽] key selects the high voltage unit for the testing.<br/>*Pressing [OK] key can change the selected High voltage value.<br/>*Using [△] or [▽] key changes the voltage.<br/>*Pressing [OK] key starts the High voltage output.<br/>*DATA ( LED) blinks during the processing.<br/>*After 30 seconds high voltage output is terminated.<br/>*Pressing [BACK/C] key terminates the High voltage test.</p> <table><tr><td>XXX:</td><td></td><td colspan="3">Initial value</td></tr><tr><td>MC/GRID(xx):</td><td>Main charger / Grid bias test</td><td colspan="3">645</td></tr><tr><td rowspan="2">THV+(x):</td><td rowspan="2">Transfer High voltage test</td><td>35PPM</td><td>F : 220</td><td>B : 267</td></tr><tr><td>45PPM</td><td>F : 267</td><td>B : 310</td></tr><tr><td>BS(xx):</td><td>Developer bias test /Volume</td><td colspan="3">485</td></tr><tr><td>BS PLUS:</td><td>Developer bias test (cleaning mode)</td><td colspan="3">150</td></tr><tr><td rowspan="2">SHV(x):</td><td rowspan="2">separate high voltage test</td><td>35PPM</td><td>F : 120</td><td>B : 120</td></tr><tr><td>45PPM</td><td>F : 160</td><td>B : 160</td></tr><tr><td>THV-:</td><td>transfer cleaning high voltage test</td><td colspan="3">780</td></tr></table> <table><tr><td>X</td><td></td></tr><tr><td>F</td><td>Casset / Manual paper feed</td></tr><tr><td>B</td><td>ADU Paper feed</td></tr></table> <table><tr><td>XX</td><td></td></tr><tr><td>AE</td><td>AE mode</td></tr><tr><td>CHR</td><td>Text mode</td></tr><tr><td>MIX</td><td>Text/Photo mode</td></tr><tr><td>PHT</td><td>Photo mode</td></tr><tr><td>PRT</td><td>Printer mode</td></tr><tr><td>FAX</td><td>Fax mode</td></tr></table> | XXX:          |           | Initial value |  |  | MC/GRID(xx): | Main charger / Grid bias test | 645 |  |  | THV+(x): | Transfer High voltage test | 35PPM | F : 220 | B : 267 | 45PPM | F : 267 | B : 310 | BS(xx): | Developer bias test /Volume | 485 |  |  | BS PLUS: | Developer bias test (cleaning mode) | 150 |  |  | SHV(x): | separate high voltage test | 35PPM | F : 120 | B : 120 | 45PPM | F : 160 | B : 160 | THV-: | transfer cleaning high voltage test | 780 |  |  | X |  | F | Casset / Manual paper feed | B | ADU Paper feed | XX |  | AE | AE mode | CHR | Text mode | MIX | Text/Photo mode | PHT | Photo mode | PRT | Printer mode | FAX | Fax mode | Refer to the text. |  |
| XXX:              |  | Initial value |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| MC/GRID(xx):      | Main charger / Grid bias test  | 645           |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| THV+(x):          | Transfer High voltage test   | 35PPM         | F : 220   | B : 267       |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
|                   |  | 45PPM         | F : 267   | B : 310       |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| BS(xx):           | Developer bias test /Volume  | 485           |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| BS PLUS:          | Developer bias test (cleaning mode)  | 150           |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| SHV(x):           | separate high voltage test   | 35PPM         | F : 120   | B : 120       |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
|                   |  | 45PPM         | F : 160   | B : 160       |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| THV-:             | transfer cleaning high voltage test  | 780           |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| X                 |  |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| F                 | Casset / Manual paper feed   |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| B                 | ADU Paper feed   |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| XX                |  |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| AE                | AE mode  |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| CHR               | Text mode  |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| MIX               | Text/Photo mode  |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| PHT               | Photo mode   |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| PRT               | Printer mode   |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |
| FAX               | Fax mode   |               |           |               |  |  |              |                               |     |  |  |          |                            |       |         |         |       |         |         |         |                             |     |  |  |          |                                     |     |  |  |         |                            |       |         |         |       |         |         |       |                                     |     |  |  |   |  |   |                            |   |                |    |  |    |         |     |           |     |                 |     |            |     |              |     |          |                    |  |



| Menu         | Content   | Initial value | Set range  |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
|--------------|---|---------------|--|--------|--------------------------------------|------|----------------|--------|--|----|------------|--------|--|----|------------|-------|-------------------------------------|--------|---------------------------------|------|------------------------|--------|---------------------------------|------|-----------------------|----|-------------|------|------------------------------------|------|-------------------|--------|--------------------------------------|-----|----------------------|--------|--|-----|------------------|--------|--|---------|------------------------|--------|--|---------|-----------------------|--------|--|-----|---------------------|-------|---------------------------------------|-----|---------------------|-----------|---|-----|---------------------|-----------|--|---------|---|------|-------------------------------------|--------|------------------------------------|----------|---|--------|--|-----------|--|-----|----------------|------|--------------------------|------|---------------------------|-------|-----------------------|------|-----------------------|-----|----------------------------------|------|---------------------|--|--|--------|-------------|-----|-------------------------|--------|-------------|--|--|--|--|
| LOAD TEST XX | <p><b>Load test mode.</b><br/>Used to perform the operation test of the motors and clutches of the machine and the options.<br/>(LCD display)</p> <div style="border: 1px solid black; padding: 10px; text-align: center; margin: 10px auto; width: fit-content;">LOAD TEST XX</div> <p>*Pressing [△] or [▽] key selects the LOAD group for the Load Test mode.<br/>           *Press [OK] key to determine the load operation group.<br/>           *Press [MENU] key to select the load to be tested.<br/>           *Pressing [OK] key starts the selected Load Test.<br/>           *DATA (LED) blinks during the processing.<br/>           *Pressing [BACK/C] key terminates the Load Test Mode.</p> <p>(Selectable Loads Group)</p> <p>00 : machine</p> <table border="1"> <tr><td>HLPR</td><td>Heater power relay</td><td>BS_PHT</td><td>Developing bias voltage (photo mode)</td></tr> <tr><td>DCPR</td><td>DC power relay</td><td>BS_MIX</td><td>Developing bias voltage (character/photo mode)</td></tr> <tr><td>MM</td><td>Main motor</td><td>BS_CHR</td><td>Developing bias voltage (character mode)</td></tr> <tr><td>DM</td><td>Drum motor</td><td>BS_AE</td><td>Developing bias voltage (auto mode)</td></tr> <tr><td>DSB_FW</td><td>Stepping motor forward rotation</td><td>FMHi</td><td>Fun motor (high speed)</td></tr> <tr><td>DSB_RV</td><td>Stepping motor reverse rotation</td><td>FMLo</td><td>Fun motor (low speed)</td></tr> <tr><td>TM</td><td>Toner motor</td><td>PSPS</td><td>Separation pawl operation solenoid</td></tr> <tr><td>CPFC</td><td>Paper feed clutch</td><td>VG_FAX</td><td>Main charger grid voltage (FAX mode)</td></tr> <tr><td>RRC</td><td>Resist roller clutch</td><td>VG_PRT</td><td>Main charger grid voltage (printer mode)</td></tr> <tr><td>TRC</td><td>Transport clutch</td><td>VG_PHT</td><td>Main charger grid voltage (photo mode)</td></tr> <tr><td>FGS_FIN</td><td>Finisher gate solenoid</td><td>VG_MIX</td><td>Main charger grid voltage (character/photo mode)</td></tr> <tr><td>TRC_DSK</td><td>DESK Transport clutch</td><td>VG_CHR</td><td>Main charger grid voltage (character mode)</td></tr> <tr><td>LUM</td><td>TRAY1 Lift up motor</td><td>VG_AE</td><td>Main charger grid voltage (auto mode)</td></tr> <tr><td>HL1</td><td>Heater lamp (lower)</td><td>THV+_BACK</td><td>Transfer charger output voltage (back mode)</td></tr> <tr><td>HL2</td><td>Heater lamp (upper)</td><td>THV+FRONT</td><td>Transfer charger output voltage (front mode)</td></tr> <tr><td>BS_PLUS</td><td>Developing bias voltage (cleaning mode)</td><td>THV-</td><td>Transfer roller output voltage (DC)</td></tr> <tr><td>BS_FAX</td><td>Developing bias voltage (FAX mode)</td><td>SHV_BACK</td><td>Transfer roller output voltage (AC) (back mode)</td></tr> <tr><td>BS_PRT</td><td>Developing bias voltage (printer mode)</td><td>SHV_FRONT</td><td>Transfer roller output voltage (AC) (front mode)</td></tr> </table> <p>01 : Multi purpose tray</p> <table border="1"> <tr><td>MCM</td><td>MP drive motor</td><td>MCFL</td><td>MP tray transport clutch</td></tr> <tr><td>MCPL</td><td>MP tray paper feed clutch</td><td>MCLUM</td><td>MP tray lift up motor</td></tr> </table> <p>02 : Manual feed tray</p> <table border="1"> <tr><td>MPFS</td><td>Manual paper solenoid</td><td>MSS</td><td>Manual paper entry gate solenoid</td></tr> <tr><td>MPFC</td><td>Manual paper clutch</td><td></td><td></td></tr> </table> <p>03 : ADU</p> <table border="1"> <tr><td>ADMEN1</td><td>ADU motor 1</td><td>DGS</td><td>ADU entry gate solenoid</td></tr> <tr><td>ADMEN2</td><td>ADU motor 2</td><td></td><td></td></tr> </table> | HLPR          | Heater power relay                               | BS_PHT | Developing bias voltage (photo mode) | DCPR | DC power relay | BS_MIX | Developing bias voltage (character/photo mode) | MM | Main motor | BS_CHR | Developing bias voltage (character mode) | DM | Drum motor | BS_AE | Developing bias voltage (auto mode) | DSB_FW | Stepping motor forward rotation | FMHi | Fun motor (high speed) | DSB_RV | Stepping motor reverse rotation | FMLo | Fun motor (low speed) | TM | Toner motor | PSPS | Separation pawl operation solenoid | CPFC | Paper feed clutch | VG_FAX | Main charger grid voltage (FAX mode) | RRC | Resist roller clutch | VG_PRT | Main charger grid voltage (printer mode) | TRC | Transport clutch | VG_PHT | Main charger grid voltage (photo mode) | FGS_FIN | Finisher gate solenoid | VG_MIX | Main charger grid voltage (character/photo mode) | TRC_DSK | DESK Transport clutch | VG_CHR | Main charger grid voltage (character mode) | LUM | TRAY1 Lift up motor | VG_AE | Main charger grid voltage (auto mode) | HL1 | Heater lamp (lower) | THV+_BACK | Transfer charger output voltage (back mode) | HL2 | Heater lamp (upper) | THV+FRONT | Transfer charger output voltage (front mode) | BS_PLUS | Developing bias voltage (cleaning mode) | THV- | Transfer roller output voltage (DC) | BS_FAX | Developing bias voltage (FAX mode) | SHV_BACK | Transfer roller output voltage (AC) (back mode) | BS_PRT | Developing bias voltage (printer mode) | SHV_FRONT | Transfer roller output voltage (AC) (front mode) | MCM | MP drive motor | MCFL | MP tray transport clutch | MCPL | MP tray paper feed clutch | MCLUM | MP tray lift up motor | MPFS | Manual paper solenoid | MSS | Manual paper entry gate solenoid | MPFC | Manual paper clutch |  |  | ADMEN1 | ADU motor 1 | DGS | ADU entry gate solenoid | ADMEN2 | ADU motor 2 |  |  |  |  |
| HLPR         | Heater power relay  | BS_PHT        | Developing bias voltage (photo mode)             |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| DCPR         | DC power relay  | BS_MIX        | Developing bias voltage (character/photo mode)   |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| MM           | Main motor  | BS_CHR        | Developing bias voltage (character mode)         |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| DM           | Drum motor  | BS_AE         | Developing bias voltage (auto mode)              |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| DSB_FW       | Stepping motor forward rotation   | FMHi          | Fun motor (high speed)                           |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| DSB_RV       | Stepping motor reverse rotation   | FMLo          | Fun motor (low speed)                            |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| TM           | Toner motor   | PSPS          | Separation pawl operation solenoid               |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| CPFC         | Paper feed clutch   | VG_FAX        | Main charger grid voltage (FAX mode)             |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| RRC          | Resist roller clutch  | VG_PRT        | Main charger grid voltage (printer mode)         |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| TRC          | Transport clutch  | VG_PHT        | Main charger grid voltage (photo mode)           |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| FGS_FIN      | Finisher gate solenoid  | VG_MIX        | Main charger grid voltage (character/photo mode) |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| TRC_DSK      | DESK Transport clutch   | VG_CHR        | Main charger grid voltage (character mode)       |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| LUM          | TRAY1 Lift up motor   | VG_AE         | Main charger grid voltage (auto mode)            |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| HL1          | Heater lamp (lower)   | THV+_BACK     | Transfer charger output voltage (back mode)      |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| HL2          | Heater lamp (upper)   | THV+FRONT     | Transfer charger output voltage (front mode)     |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| BS_PLUS      | Developing bias voltage (cleaning mode)   | THV-          | Transfer roller output voltage (DC)              |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| BS_FAX       | Developing bias voltage (FAX mode)  | SHV_BACK      | Transfer roller output voltage (AC) (back mode)  |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| BS_PRT       | Developing bias voltage (printer mode)  | SHV_FRONT     | Transfer roller output voltage (AC) (front mode) |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| MCM          | MP drive motor  | MCFL          | MP tray transport clutch                         |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| MCPL         | MP tray paper feed clutch   | MCLUM         | MP tray lift up motor                            |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| MPFS         | Manual paper solenoid   | MSS           | Manual paper entry gate solenoid                 |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| MPFC         | Manual paper clutch   |               |  |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| ADMEN1       | ADU motor 1   | DGS           | ADU entry gate solenoid                          |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |
| ADMEN2       | ADU motor 2   |               |  |        |                                      |      |                |        |  |    |            |        |  |    |            |       |                                     |        |                                 |      |                        |        |                                 |      |                       |    |             |      |                                    |      |                   |        |                                      |     |                      |        |  |     |                  |        |  |         |                        |        |  |         |                       |        |  |     |                     |       |                                       |     |                     |           |   |     |                     |           |  |         |   |      |                                     |        |                                    |          |   |        |  |           |  |     |                |      |                          |      |                           |       |                       |      |                       |     |                                  |      |                     |  |  |        |             |     |                         |        |             |  |  |  |  |

| Menu              | Content   | Initial value | Set range                    |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
|-------------------|---|---------------|------------------------------|-------|-------------------------|-------|---------------------|-------|-------------------------|--------|-------------------------|---------|-----------------------------|-------|----------------------|-----|---------------------|-------|----------------------|-------|--------------------------|-------|----------------------|-------|--------------------------|--------|--------------------------|--------|------------------------------|-------|-----------------------|-----|----------------------|-----|----------------|------|-----------------------|------|------------------|----|------------------|-----|------------------|-----|----------------|------|----------------------------------|-----|--------------|-----|----------------------------|-----|---------------------|------|------------------------|-----|----------------------|------|-------------------------|-----|--------------|-----|-------------|------|------------------------|------|------------------|------|-------------------------|------|-------------|-----|-------------------|-----|-------------|-----|--------------|------|---------------|-----|-----------------|-----|-------------|--|--|-----|------------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|--|--|
| LOAD TEST XX      | <p><b>Load test mode.</b><br/>Used to perform the operation test of the motors and clutches of the machine and the options.</p> <p>(Selectable Loads Grope)<br/>04 : LCC desk (AR-D13)</p> <table border="1"> <tr><td>TLUM2</td><td>LCC lift up motor 2</td><td>TPCL2</td><td>LCC paper feed clutch 2</td></tr> <tr><td>TLUM1</td><td>LCC lift up motor 1</td><td>TPCL1</td><td>LCC paper feed clutch 1</td></tr> <tr><td>L_MCLM</td><td>LCC multi lift up motor</td><td>L_MCPCl</td><td>LCC multi paper feed clutch</td></tr> <tr><td>TPFCL</td><td>LCC transport clutch</td><td>TMM</td><td>LCC transport motor</td></tr> </table> <p>05 : 3 tray desk (AR-D14)</p> <table border="1"> <tr><td>DLUM2</td><td>DESK lift up motor 2</td><td>DPCL2</td><td>DESK paper feed clutch 2</td></tr> <tr><td>DLUM1</td><td>DESK lift up motor 1</td><td>DPCL1</td><td>DESK paper feed clutch 1</td></tr> <tr><td>D_MCLM</td><td>DESK multi lift up motor</td><td>D_MPCL</td><td>DESK multi paper feed clutch</td></tr> <tr><td>DPFCL</td><td>DESK transport clutch</td><td>DMM</td><td>DESK transport motor</td></tr> </table> <p>06 : FINISHER (AR-FN6)</p> <table border="1"> <tr><td>T2S</td><td>TRAY2 solenoid</td><td>STUM</td><td>Staple movement motor</td></tr> <tr><td>T2OM</td><td>Paper exit motor</td><td>MM</td><td>Main drive motor</td></tr> <tr><td>SPS</td><td>Stopper solenoid</td><td>EVM</td><td>Elevator motor</td></tr> <tr><td>SCRS</td><td>Roller pressure Release solenoid</td><td>STM</td><td>Staple motor</td></tr> <tr><td>PPS</td><td>Rear edge holding solenoid</td><td>JRM</td><td>Jogger motor (rear)</td></tr> <tr><td>SCGS</td><td>Compiler gate solenoid</td><td>JFM</td><td>Jogger motor (front)</td></tr> <tr><td>STTM</td><td>Staple revolution motor</td><td>PSM</td><td>Pusher motor</td></tr> </table> <p>07 : CONSOLE FINISHER (AR-FN7)</p> <table border="1"> <tr><td>FFC</td><td>Fold clutch</td><td>FRJM</td><td>Alignment motor (rear)</td></tr> <tr><td>FPSM</td><td>Punch side motor</td><td>FFJM</td><td>Alignment motor (front)</td></tr> <tr><td>FPNM</td><td>Punch motor</td><td>FAM</td><td>Bundle exit motor</td></tr> <tr><td>FLM</td><td>Shift motor</td><td>FPM</td><td>Paddle motor</td></tr> <tr><td>FFSM</td><td>Stapler motor</td><td>FFM</td><td>Transport motor</td></tr> <tr><td>FSM</td><td>Slide motor</td><td></td><td></td></tr> </table> <p>08 : Mail bin stacker (AR-MS1)</p> <table border="1"> <tr><td>MMM</td><td>Main drive motor</td><td>MGSOL4</td><td>Gate solenoid 4</td></tr> <tr><td>MGSOL1</td><td>Gate solenoid 1</td><td>MGSOL5</td><td>Gate solenoid 5</td></tr> <tr><td>MGSOL2</td><td>Gate solenoid 2</td><td>MGSOL6</td><td>Gate solenoid 6</td></tr> <tr><td>MGSOL3</td><td>Gate solenoid 3</td><td>MGSOL7</td><td>Gate solenoid 7</td></tr> </table> | TLUM2         | LCC lift up motor 2          | TPCL2 | LCC paper feed clutch 2 | TLUM1 | LCC lift up motor 1 | TPCL1 | LCC paper feed clutch 1 | L_MCLM | LCC multi lift up motor | L_MCPCl | LCC multi paper feed clutch | TPFCL | LCC transport clutch | TMM | LCC transport motor | DLUM2 | DESK lift up motor 2 | DPCL2 | DESK paper feed clutch 2 | DLUM1 | DESK lift up motor 1 | DPCL1 | DESK paper feed clutch 1 | D_MCLM | DESK multi lift up motor | D_MPCL | DESK multi paper feed clutch | DPFCL | DESK transport clutch | DMM | DESK transport motor | T2S | TRAY2 solenoid | STUM | Staple movement motor | T2OM | Paper exit motor | MM | Main drive motor | SPS | Stopper solenoid | EVM | Elevator motor | SCRS | Roller pressure Release solenoid | STM | Staple motor | PPS | Rear edge holding solenoid | JRM | Jogger motor (rear) | SCGS | Compiler gate solenoid | JFM | Jogger motor (front) | STTM | Staple revolution motor | PSM | Pusher motor | FFC | Fold clutch | FRJM | Alignment motor (rear) | FPSM | Punch side motor | FFJM | Alignment motor (front) | FPNM | Punch motor | FAM | Bundle exit motor | FLM | Shift motor | FPM | Paddle motor | FFSM | Stapler motor | FFM | Transport motor | FSM | Slide motor |  |  | MMM | Main drive motor | MGSOL4 | Gate solenoid 4 | MGSOL1 | Gate solenoid 1 | MGSOL5 | Gate solenoid 5 | MGSOL2 | Gate solenoid 2 | MGSOL6 | Gate solenoid 6 | MGSOL3 | Gate solenoid 3 | MGSOL7 | Gate solenoid 7 |  |  |
| TLUM2             | LCC lift up motor 2   | TPCL2         | LCC paper feed clutch 2      |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| TLUM1             | LCC lift up motor 1   | TPCL1         | LCC paper feed clutch 1      |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| L_MCLM            | LCC multi lift up motor   | L_MCPCl       | LCC multi paper feed clutch  |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| TPFCL             | LCC transport clutch  | TMM           | LCC transport motor          |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| DLUM2             | DESK lift up motor 2  | DPCL2         | DESK paper feed clutch 2     |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| DLUM1             | DESK lift up motor 1  | DPCL1         | DESK paper feed clutch 1     |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| D_MCLM            | DESK multi lift up motor  | D_MPCL        | DESK multi paper feed clutch |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| DPFCL             | DESK transport clutch   | DMM           | DESK transport motor         |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| T2S               | TRAY2 solenoid  | STUM          | Staple movement motor        |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| T2OM              | Paper exit motor  | MM            | Main drive motor             |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| SPS               | Stopper solenoid  | EVM           | Elevator motor               |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| SCRS              | Roller pressure Release solenoid  | STM           | Staple motor                 |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| PPS               | Rear edge holding solenoid  | JRM           | Jogger motor (rear)          |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| SCGS              | Compiler gate solenoid  | JFM           | Jogger motor (front)         |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| STTM              | Staple revolution motor   | PSM           | Pusher motor                 |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| FFC               | Fold clutch   | FRJM          | Alignment motor (rear)       |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| FPSM              | Punch side motor  | FFJM          | Alignment motor (front)      |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| FPNM              | Punch motor   | FAM           | Bundle exit motor            |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| FLM               | Shift motor   | FPM           | Paddle motor                 |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| FFSM              | Stapler motor   | FFM           | Transport motor              |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| FSM               | Slide motor   |               |                              |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| MMM               | Main drive motor  | MGSOL4        | Gate solenoid 4              |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| MGSOL1            | Gate solenoid 1   | MGSOL5        | Gate solenoid 5              |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| MGSOL2            | Gate solenoid 2   | MGSOL6        | Gate solenoid 6              |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| MGSOL3            | Gate solenoid 3   | MGSOL7        | Gate solenoid 7              |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |
| AUTOMATIC DV ADJ. | <p><b>Automatic DV adjustment.</b><br/>Note: Before execution of this mode, be sure to clear the developing counter and the developing motor rpm.<br/>Used to perform the auto developer adjustment.<br/>(LCD display)</p> <div style="border: 1px solid black; padding: 10px; text-align: center; margin: 10px 0;"> AUTOMATIC DV ADJ. </div> <p>*Pressing [OK] key starts the automatic DV adjustment.<br/>*Toner control sensor value is displayed in the LCD during the operation.<br/>*DATA ( LED) blinks during the processing<br/>*When adjustment error occurred, ERROR LED lights up.<br/>*Adjustment value is memorized after 2 minutes DV stirring.<br/>*Pressing [BACK/C] key terminates the adjustment mode.</p>  | 118           |                              |       |                         |       |                     |       |                         |        |                         |         |                             |       |                      |     |                     |       |                      |       |                          |       |                      |       |                          |        |                          |        |                              |       |                       |     |                      |     |                |      |                       |      |                  |    |                  |     |                  |     |                |      |                                  |     |              |     |                            |     |                     |      |                        |     |                      |      |                         |     |              |     |             |      |                        |      |                  |      |                         |      |             |     |                   |     |             |     |              |      |               |     |                 |     |             |  |  |     |                  |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |        |                 |  |  |

| Menu                                | Content  | Initial value | Set range |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
|-------------------------------------|--|---------------|-----------|---------------|-------|-----------------------------|---------|----|-----------------------------|-----|-----------|-----------------------------|-----|-----|-----------------------------|-----|-----|---|------------|----|---|-----|--------------------|-------|-----|--------------------|----------|----|-----|--------------------|--|
| LASER OUTPUT SETUP (XXX)            | <p><b>Laser output setup.</b><br/>Used to set the laser output value.</p> <div>Note: Do not change the factory setup on the laser output.</div> <p>(LCD display)</p> <div>LASER POWER SET (XX)</div> <p>*Pressing [△] or [▽] key selects the LASER OUTPUT SETUP mode.<br/>*Pressing [OK] key starts the laser output setup.<br/>*Using [△] or [▽] key changes the value.<br/>*Pressing [OK]key memorize the value.<br/>*Pressing [BACK/C] key terminates the setting.</p> <table><tr><td>XX</td><td></td><td>35PPM</td><td>45PPM</td></tr><tr><td>AE</td><td>AE mode</td><td>80</td><td>104</td></tr><tr><td>CHR</td><td>Text mode</td><td>80</td><td>104</td></tr><tr><td>MIX</td><td>Text/Photo mode</td><td>80</td><td>104</td></tr><tr><td>PHT</td><td>Photo mode</td><td>80</td><td>104</td></tr><tr><td>PRT</td><td>Printer mode</td><td>80</td><td>104</td></tr><tr><td>FAX</td><td>Fax mode</td><td>80</td><td>104</td></tr></table> | XX            |           | 35PPM         | 45PPM | AE                          | AE mode | 80 | 104                         | CHR | Text mode | 80                          | 104 | MIX | Text/Photo mode             | 80  | 104 | PHT                                     | Photo mode | 80 | 104                                     | PRT | Printer mode       | 80    | 104 | FAX                | Fax mode | 80 | 104 | Refer to the text. |  |
| XX                                  |  | 35PPM         | 45PPM     |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| AE                                  | AE mode  | 80            | 104       |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| CHR                                 | Text mode  | 80            | 104       |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| MIX                                 | Text/Photo mode  | 80            | 104       |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| PHT                                 | Photo mode   | 80            | 104       |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| PRT                                 | Printer mode   | 80            | 104       |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| FAX                                 | Fax mode   | 80            | 104       |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| FUSER control temperature setting X | <p><b>Fuser control Temperature setting.</b><br/>Used to set the fusing temperature.<br/>(LCD display)</p> <div>FUSER TEMP.SETTING X</div> <p>*Using [△] or [▽] key select the thermistor.<br/>*Pressing [OK] key starts the setting.<br/>*Using [△] or [▽] key changes the value.<br/>*Pressing [OK] key memorize the value.<br/>*Pressing [BACK/C] key terminates the setting.</p> <table><tr><td>X:</td><td></td><td>Initial value</td></tr><tr><td>A:</td><td>control temperature FUSER 1</td><td>190</td></tr><tr><td>B:</td><td>control temperature FUSER 2</td><td>190</td></tr><tr><td>C:</td><td>preheat temperature FUSER 1</td><td>150</td></tr><tr><td>D:</td><td>preheat temperature FUSER 2</td><td>150</td></tr><tr><td>E:</td><td>Bypass tray control temperature FUSER 1</td><td>200</td></tr><tr><td>F:</td><td>Bypass tray control temperature FUSER 2</td><td>200</td></tr></table>                                      | X:            |           | Initial value | A:    | control temperature FUSER 1 | 190     | B: | control temperature FUSER 2 | 190 | C:        | preheat temperature FUSER 1 | 150 | D:  | preheat temperature FUSER 2 | 150 | E:  | Bypass tray control temperature FUSER 1 | 200        | F: | Bypass tray control temperature FUSER 2 | 200 | Refer to the text. |       |     |                    |          |    |     |                    |  |
| X:                                  |  | Initial value |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| A:                                  | control temperature FUSER 1  | 190           |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| B:                                  | control temperature FUSER 2  | 190           |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| C:                                  | preheat temperature FUSER 1  | 150           |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| D:                                  | preheat temperature FUSER 2  | 150           |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| E:                                  | Bypass tray control temperature FUSER 1  | 200           |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| F:                                  | Bypass tray control temperature FUSER 2  | 200           |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| SLOW UP SETTING                     | <p><b>Process control value setting.</b><br/>Used to set the process control value.</p> <div>SLOW UP SETTING X</div> <p>*Using [△] or [▽] key select the process control value.<br/>*Pressing [OK] key starts the setting.<br/>*Using [△] or [▽] key changes the value.<br/>*Pressing [OK] key memorize the value.<br/>*Pressing [BACK/C] key terminates the setting.</p> <table><tr><td>X:</td><td></td><td>Initial value</td></tr><tr><td>A:</td><td>slow up adjust wait time</td><td>90</td></tr><tr><td>B:</td><td>Vb1-1</td><td>50</td></tr><tr><td>C:</td><td>Vb1-2</td><td>50</td></tr><tr><td>D:</td><td>Vb1-3</td><td>50</td></tr><tr><td>E:</td><td>Vb2-1</td><td>15</td></tr><tr><td>F:</td><td>Vb2-2</td><td>15</td></tr><tr><td>G:</td><td>Vb2-3</td><td>15</td></tr></table>   | X:            |           | Initial value | A:    | slow up adjust wait time    | 90      | B: | Vb1-1                       | 50  | C:        | Vb1-2                       | 50  | D:  | Vb1-3                       | 50  | E:  | Vb2-1                                   | 15         | F: | Vb2-2                                   | 15  | G:                 | Vb2-3 | 15  | Refer to the text. |          |    |     |                    |  |
| X:                                  |  | Initial value |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| A:                                  | slow up adjust wait time   | 90            |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| B:                                  | Vb1-1  | 50            |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| C:                                  | Vb1-2  | 50            |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| D:                                  | Vb1-3  | 50            |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| E:                                  | Vb2-1  | 15            |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| F:                                  | Vb2-2  | 15            |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |
| G:                                  | Vb2-3  | 15            |           |               |       |                             |         |    |                             |     |           |                             |     |     |                             |     |     |   |            |    |   |     |                    |       |     |                    |          |    |     |                    |  |

| Menu  | Content   | Initial value | Set range     |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
|---|---|---------------|---------------|---|-------------------------------|---|---------------------|---------------------------------------|------------------------|----------|----------|----------|-----------|--------------------|---|---|---|---|------|---|---------|---|---------------|---|--------------|---|--------------|--|
| SIZE adjustment X                             | <div><p><b>SIZE adjustment .</b><br/>Used to perform the size detection adjustment of the optional universal tray and the manual feed tray.<br/>(LCD display)</p><div>SIZE ADJUSTMENT X</div><p>*Using [△] or [▽] key select the tray.<br/>Pressing [OK] key enter the adjustment mode.<br/>(Selectable modes)</p><table><tr><td>X:</td><td></td></tr><tr><td>A:</td><td>Multi purpose tray adjustment</td></tr><tr><td>B:</td><td>Bypass tray setting</td></tr><tr><td>C:</td><td>Bypass tray adjustment</td></tr></table><p>&lt;select A&gt;<br/>1. Widen the guide to the MAXIMUM position.<br/>*Pressing [OK] key starts the adjustment.<br/>2.Narrow the guide to the MINIMUM position.<br/>*Pressing [OK] key starts the adjustment.<br/>*Pressing [BACK/C] key terminates the setting.</p><p>&lt;select B&gt;<br/>*Pressing [OK] key displays the adjustment value.<br/>*Using [△] and [▽] keys changes the value.<br/>*Pressing [OK] key set the changes of the value, and moves to the next mode.<br/>*Pressing [BACK/C] key terminates the setting.</p><table><tr><td>Max : 66</td></tr><tr><td>P1 : 447</td></tr><tr><td>P2 : 704</td></tr><tr><td>MIN : 916</td></tr></table><p>&lt;select C&gt;<br/>1. Widen the guide to the MAXIMUM position.<br/>*Pressing [OK] key starts the adjustment.<br/>2.Guide to the P1 paper guide position.<br/>*Pressing [OK] key starts the adjustment.<br/>3.Guide to the P2 paper guide position.<br/>*Pressing [OK] key starts the adjustment.<br/>4.Narrow the guide to the MINIMUM position.<br/>*Pressing [OK] key starts the adjustment.<br/>*Pressing [BACK/C] key terminates the setting.</p></div> | X:            |               | A:  | Multi purpose tray adjustment | B:  | Bypass tray setting | C:                                    | Bypass tray adjustment | Max : 66 | P1 : 447 | P2 : 704 | MIN : 916 | Refer to the text. |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| X:  |   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| A:  | Multi purpose tray adjustment   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| B:  | Bypass tray setting   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| C:  | Bypass tray adjustment  |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| Max : 66                                      |   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| P1 : 447                                      |   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| P2 : 704                                      |   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| MIN : 916                                     |   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| ICU PRINT MODE SET                            | <div><p><b>ICU print mode setting.</b><br/>Used to set the print patterns which are to be used in “TEST PRINT”. The set patterns can be printed with "Print Pattern "99".<br/>(LCD display)</p><div>ICU PRINT MODE SET</div><p>*Press [OK] key to start the setup mode.<br/>*Press [MENU] key to shift to the next item.<br/>*Pressing [MENU] moves to the next item<br/>*Using [△] and [▽] keys changes the mode.<br/>*Pressing [BACK/C] key releases the print mode set.<br/>*Pressing [OK] key starts the print mode set.<br/>*DATA ( LED) blinks during the print mode set execution.</p><table><tr><td></td><td>Initial value</td></tr><tr><td>ICU PRINT PATTERN : Test print pattern (0~99)</td><td>87</td></tr><tr><td>ICU PRINT DENSITY : Print density (0~255)</td><td>128</td></tr><tr><td>ICU PRINT MODE : Mode setting (0~255)</td><td>0</td></tr></table><div><table><tr><td>7</td><td>6</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td>0</td></tr></table><div><div></div><div></div><div></div><div></div></div><div><div>1 : Toner save ON</div><div>1 : Smoothing ON</div><div>1 : Harf tone ON</div><div>Reserve</div></div></div><table><tr><td>X</td><td>Mode</td></tr><tr><td>0</td><td>ALL OFF</td></tr><tr><td>1</td><td>Toner save ON</td></tr><tr><td>2</td><td>Smoothing ON</td></tr><tr><td>4</td><td>Harf tone ON</td></tr></table></div>  |               | Initial value | ICU PRINT PATTERN : Test print pattern (0~99) | 87                            | ICU PRINT DENSITY : Print density (0~255) | 128                 | ICU PRINT MODE : Mode setting (0~255) | 0                      | 7        | 6        | 5        | 4         | 3                  | 2 | 1 | 0 | X | Mode | 0 | ALL OFF | 1 | Toner save ON | 2 | Smoothing ON | 4 | Harf tone ON |  |
|   | Initial value   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| ICU PRINT PATTERN : Test print pattern (0~99) | 87  |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| ICU PRINT DENSITY : Print density (0~255)     | 128   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| ICU PRINT MODE : Mode setting (0~255)         | 0   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| 7   | 6   | 5             | 4             | 3   | 2                             | 1   | 0                   |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| X   | Mode  |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| 0   | ALL OFF   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| 1   | Toner save ON   |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| 2   | Smoothing ON  |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |
| 4   | Harf tone ON  |               |               |   |                               |   |                     |                                       |                        |          |          |          |           |                    |   |   |   |   |      |   |         |   |               |   |              |   |              |  |

| Menu            | Content  | Initial value   | Set range  |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
|-----------------|--|-----------------|--|-----------------|------|---|--|----|------------|---|------------------|----|-------------------------------|---|-------------------|----|--------------------------------|---|--------------------------------------|----|---|---|------------------|----|-------------------------------|---|-------------------------------------|----|--|---|--------------------------------------|----|---|---|---|----|--|---|-----------------|----|------------------------------|---|------------------------------------|----|---|----|-------------------------------------|----|--|----|--|----|---|----|------------------------------------|----|---|----|---|----|--|----|--|----|---|----|---|----|--|--|--|
| TEST PRINT XX   | <div><div><div>TEST PRINT 00</div></div><div><div>*Pressing [△] or [▽] key selects the mode.<br/>XX(select the number changed to decimal.)</div><div><div><div><div>7</div><div>6</div><div>5</div><div>4</div><div>3</div><div>2</div><div>1</div><div>0</div></div><div><div>1 : No Jam detection</div><div>1 : No Fuser Control</div><div>1 : No warm up cycle</div><div>1 : No Developer detection</div><div>1 : Aging mode</div></div></div></div></div><div><div>Aging mode:</div><table><tr><th>Set value<br/>XX</th><th>Mode</th><th>Set value<br/>XX</th><th>Mode</th></tr><tr><td>0</td><td></td><td>16</td><td>Aging mode</td></tr><tr><td>1</td><td>No jam detection</td><td>17</td><td>Aging mode + No jam detection</td></tr><tr><td>2</td><td>No fusing control</td><td>18</td><td>Aging mode + No fusing control</td></tr><tr><td>3</td><td>No fusing control + No jam detection</td><td>19</td><td>Aging mode + No fusing control + No jam detection</td></tr><tr><td>4</td><td>No warm-up cycle</td><td>20</td><td>Aging mode + No warm-up cycle</td></tr><tr><td>5</td><td>No warm-up cycle + No jam detection</td><td>21</td><td>Aging mode + No warm-up cycle No jam detection</td></tr><tr><td>6</td><td>No warm-up cycle + No fusing control</td><td>22</td><td>Aging mode + No warm-up cycle + No fusing detection</td></tr><tr><td>7</td><td>No warm-up cycle + No fusing control + No jam detection</td><td>23</td><td>Aging mode + No warm-up cycle + No fusing detection + No jam detection</td></tr><tr><td>8</td><td>No DV detection</td><td>24</td><td>Aging mode + No DV detection</td></tr><tr><td>9</td><td>No DV detection + No jam detection</td><td>25</td><td>Aging mode + No DV detection + No jam detection</td></tr><tr><td>10</td><td>No DV detection + No fusing control</td><td>26</td><td>Aging mode + No DV detection + No fusing control</td></tr><tr><td>11</td><td>No DV detection + No fusing control + No jam detection</td><td>27</td><td>Aging mode + No DV detection + No fusing control + No jam detection</td></tr><tr><td>12</td><td>No DV detection + No warm-up cycle</td><td>28</td><td>Aging mode + No DV detection + No warm-up cycle</td></tr><tr><td>13</td><td>No DV detection + No warm-up cycle + No jam detection</td><td>29</td><td>Aging mode + No DV detection + No warm-up cycle + No jam detection</td></tr><tr><td>14</td><td>No DV detection + No warm-up cycle + No fusing control</td><td>30</td><td>Aging mode + No DV detection + No warm-up cycle + No fusing control</td></tr><tr><td>15</td><td>No DV detection + No warm-up cycle + No fusing control + No jam detection</td><td>31</td><td>Aging mode + No DV detection + No warm-up cycle + No fusing control + No jam detection</td></tr></table><div><div>example: If you need "Aging mode" only, select "16".<br/>If you need "Aging mode" and "No jam detection", select "17".</div><div><div>*Pressing [OK] key displays the setting menu for printing test.<br/>*Pressing [MENU] moves to the next item<br/>*Using [△] and [▽] keys changes the mode.<br/>*Pressing [BACK/C] key releases the printing menu mode.<br/>*Pressing [OK] key starts the printing test.<br/>*DATA ( LED) blinks during the TEST PRINT execution.</div></div></div></div></div> | Set value<br>XX | Mode   | Set value<br>XX | Mode | 0 |  | 16 | Aging mode | 1 | No jam detection | 17 | Aging mode + No jam detection | 2 | No fusing control | 18 | Aging mode + No fusing control | 3 | No fusing control + No jam detection | 19 | Aging mode + No fusing control + No jam detection | 4 | No warm-up cycle | 20 | Aging mode + No warm-up cycle | 5 | No warm-up cycle + No jam detection | 21 | Aging mode + No warm-up cycle No jam detection | 6 | No warm-up cycle + No fusing control | 22 | Aging mode + No warm-up cycle + No fusing detection | 7 | No warm-up cycle + No fusing control + No jam detection | 23 | Aging mode + No warm-up cycle + No fusing detection + No jam detection | 8 | No DV detection | 24 | Aging mode + No DV detection | 9 | No DV detection + No jam detection | 25 | Aging mode + No DV detection + No jam detection | 10 | No DV detection + No fusing control | 26 | Aging mode + No DV detection + No fusing control | 11 | No DV detection + No fusing control + No jam detection | 27 | Aging mode + No DV detection + No fusing control + No jam detection | 12 | No DV detection + No warm-up cycle | 28 | Aging mode + No DV detection + No warm-up cycle | 13 | No DV detection + No warm-up cycle + No jam detection | 29 | Aging mode + No DV detection + No warm-up cycle + No jam detection | 14 | No DV detection + No warm-up cycle + No fusing control | 30 | Aging mode + No DV detection + No warm-up cycle + No fusing control | 15 | No DV detection + No warm-up cycle + No fusing control + No jam detection | 31 | Aging mode + No DV detection + No warm-up cycle + No fusing control + No jam detection |  |  |
| Set value<br>XX | Mode   | Set value<br>XX | Mode   |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 0               |  | 16              | Aging mode   |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 1               | No jam detection   | 17              | Aging mode + No jam detection  |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 2               | No fusing control  | 18              | Aging mode + No fusing control   |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 3               | No fusing control + No jam detection   | 19              | Aging mode + No fusing control + No jam detection                                      |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 4               | No warm-up cycle   | 20              | Aging mode + No warm-up cycle  |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 5               | No warm-up cycle + No jam detection  | 21              | Aging mode + No warm-up cycle No jam detection   |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 6               | No warm-up cycle + No fusing control   | 22              | Aging mode + No warm-up cycle + No fusing detection                                    |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 7               | No warm-up cycle + No fusing control + No jam detection  | 23              | Aging mode + No warm-up cycle + No fusing detection + No jam detection                 |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 8               | No DV detection  | 24              | Aging mode + No DV detection   |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 9               | No DV detection + No jam detection   | 25              | Aging mode + No DV detection + No jam detection  |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 10              | No DV detection + No fusing control  | 26              | Aging mode + No DV detection + No fusing control                                       |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 11              | No DV detection + No fusing control + No jam detection   | 27              | Aging mode + No DV detection + No fusing control + No jam detection                    |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 12              | No DV detection + No warm-up cycle   | 28              | Aging mode + No DV detection + No warm-up cycle  |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 13              | No DV detection + No warm-up cycle + No jam detection  | 29              | Aging mode + No DV detection + No warm-up cycle + No jam detection                     |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 14              | No DV detection + No warm-up cycle + No fusing control   | 30              | Aging mode + No DV detection + No warm-up cycle + No fusing control                    |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |
| 15              | No DV detection + No warm-up cycle + No fusing control + No jam detection  | 31              | Aging mode + No DV detection + No warm-up cycle + No fusing control + No jam detection |                 |      |   |  |    |            |   |                  |    |                               |   |                   |    |                                |   |                                      |    |   |   |                  |    |                               |   |                                     |    |  |   |                                      |    |   |   |   |    |  |   |                 |    |                              |   |                                    |    |   |    |                                     |    |  |    |  |    |   |    |                                    |    |   |    |   |    |  |    |  |    |   |    |   |    |  |  |  |

| Menu          | Content  |  |   | Initial value        | Set range |
|---------------|--|--|---|----------------------|-----------|
| TEST PRINT XX | <b>Printing Test</b><br>Used to perform self-printing under the set conditions, and to adjust and check the engine set value.<br><br>Selection Menu: |  |   |                      |           |
|               | LCD display  | Content                                  | Set value   | Initial value        |           |
|               | MULTI SETTING  | Continuous print quantity setup          | 001 - 999   |                      |           |
|               | PRINT PATTERN  | Test print pattern                       | 1 - 99 (94 - 97 for production only)  |                      |           |
|               |  |  | 1 : Off center pattern  |                      |           |
|               |  |  | 40 : White copy   |                      |           |
|               |  |  | 64 : All Black copy   |                      |           |
|               |  |  | 70 : Scale pattern  |                      |           |
|               |  |  | 71 : Grid pattern   |                      |           |
|               |  |  | 75 : ID: BG pattern   |                      |           |
|               |  |  | 87 : Test image pattern   |                      |           |
|               |  |  | 98 : List of the setup values   |                      |           |
|               |  |  | 99 : Patterns set in ICU Print Mode set.  |                      |           |
|               | CASSETTE   | Cassette selection                       | BPT: Manual paper feed tray    DESK1: No. 3 tray<br>TRAY1: No. 1 tray (STD)        DESK2: No. 4 tray<br>TRAY2: No. 2 tray                LCC: LCC tray  |                      |           |
|               | DUPLEX   | Duplex setup                             | NO/USE  | NO                   |           |
|               | OUTPUT   | Paper exit, finishing method setup       | STD: Standard paper exit tray    SADLE: Saddle<br>JSP:                                    OFFSET: Offset<br>FIN1: Finisher Top                PUNCH: Punch<br>FIN2: Finisher Second            MAIL_TEST<br>STAPLE (F): Staple front        BIN1: No. 1<br>STAPLE (R): Staple rear        ~<br>STAPLE (2POS): Staple        bin-BIN8: No.8 bin<br>2 positions | STD                  |           |
|               | LEAD EDGE  | Lead edge                                | 0 - 99 (mm)   | 50                   |           |
|               | LEAD EDGE VOID   | Lead edge void setup                     | 0 - 99 (mm)   | 35                   |           |
|               | TAIL EDGE VOID   | Rear edge void setup                     | 0 - 99 (mm)   | 35                   |           |
|               | SIDE EDGE VOID   | Side edge void setup                     | 0 - 99 (mm)   | 35                   |           |
|               | T1 PAPER BUCKLE  | Tray 1 resist quantity setup             | 0 - 99  | 35PPM:65<br>45PPM:60 |           |
|               | T2 PAPER BUCKLE  | Tray 2 resist quantity setup             | 0 - 99  | 35PPM:55<br>45PPM:50 |           |
|               | DESK PAPER BUCKLE  | Desk resist quantity setup               | 0 - 99  | 35PPM:55<br>45PPM:50 |           |
|               | BPT PAPER BUCKLE   | Manual feed resist quantity adjustment   | 0 - 99  | 35PPM:60<br>45PPM:55 |           |
|               | ADU PAPER BUCKLE   | Auto duplex resist quantity setup        | 0 - 99  | 35PPM:55<br>45PPM:50 |           |
|               | BPT OFF CENTER ADJ   | Manual feed tray off-center adjustment   | 0 - 99  | 50                   |           |
|               | T1 OFF CENTER ADJ  | Tray 1 of-center adjustment              | 0 - 99  |                      |           |
|               | T2 OFF CENTER ADJ  | A3 universal tray off-center adjustment  | 0 - 99  |                      |           |
|               | T3 OFF CENTER ADJ  | Desk 1 tray/LCC1 off-center adjustment   | 0 - 99  |                      |           |
|               | T4 OFF CENTER ADJ  | Desk 2 tray/LCC2 off-center adjustment   | 0 - 99  |                      |           |
|               | ADU OFF CENTER ADJ   | Duplex off-center adjustment value setup | 0 - 99  |                      |           |

Refer to the text.



| Menu                 | Content  | Initial value         | Set range                   |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
|----------------------|--|-----------------------|-----------------------------|-----------------------|--|-------|----------------------|------|--------------|------|--------------|-------|---------------|-------|---------------|------|--------------------|------|--------------------|--------|---------------------|--------|---------------------|-----------------|-----------------------|--------------|---|------------------|-------------------|--------------|--------------------------|---------------|-----------------------------|---------|-----------------|-------------|----------------|--------|--------|---|--------------|----------------------|--|---|--------------|--------|----------------|---|--------------|-------|---------------|---|--------------|--------------------|--|---|--------------|-------|---------------------------|---|--------------|-------|---------------------------|---|--------------|------------|---------------------------|---|--------------|------------|--------------------------------------|---|--------------|-----|---------------------------|---|--------------|-----|----------------|---|--------------|--|--|-------------|-------------|--|--|---|-----------|--|--|---|-----------|--|--|---|-----|--|--|----------------------|--|--|--|-----|-------------|--|--|---------|-----------------|--|--|
| WARM UP TIME DISPLAY | <p><b>Warm up time display mode.</b><br/>Used to display the warm-up time.<br/>(LCD display)</p> <div>WARM UP TIME DISPLAY</div> <p>*Pressing [OK] key enter the Warm up time display mode.<br/>*Pressing [BACK/C] key terminates the Warm up time display mode.</p>   |                       |                             |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| COUNTER DATA DISPLAY | <p><b>Counter data display.</b><br/>Used to display each counter value.<br/>(LCD display)</p> <div>COUNTER DISPLAY</div> <p>*Pressing the [△] or [▽] key selects the counter group for the counter display mode.<br/>*Pressing [OK] key displays the counter value.<br/>*Using [MENU] moves to the next item.<br/>*Pressing [BACK/C] key terminates the Counter Display Mode.</p> <p>COUNTER DISP XXXX::</p> <table><tr><td colspan="2">COUNTER DISP.</td><td colspan="2">PROCESS COUNTER DISP.</td></tr><tr><td>TOTAL</td><td>Total print quantity</td><td>DRUM</td><td>Drum counter</td></tr><tr><td>DRUM</td><td>Drum counter</td><td>TONER</td><td>Toner counter</td></tr><tr><td>TONER</td><td>Toner counter</td><td>DEVE</td><td>Developing counter</td></tr><tr><td>DEVE</td><td>Developing counter</td><td>MAINTE</td><td>Maintenance counter</td></tr><tr><td>MAINTE</td><td>Maintenance counter</td><td>DRUM MOTOR TIME</td><td>Drum motor drive time</td></tr><tr><td>TOTAL OUTPUT</td><td>Copy counter<br/>(Effective paper counter)</td><td>TONER MOTOR TIME</td><td>Toner supply time</td></tr><tr><td>RIGHT-OUTPUT</td><td>Right paper exit counter</td><td>DV MOTOR TIME</td><td>Developing motor drive time</td></tr><tr><td>PRINTER</td><td>Printer counter</td><td rowspan="10">PROCESS WAY</td><td>Process system</td></tr><tr><td>OTHERS</td><td>Others</td><td>A</td><td>SRU3 : BTA-A</td></tr><tr><td colspan="2">STAPLE COUTNER DISP.</td><td>B</td><td>SRU3 : BTA-B</td></tr><tr><td>STAPLE</td><td>Staple counter</td><td>C</td><td>SRU3 : BTA-B</td></tr><tr><td>PUNCH</td><td>Punch counter</td><td>D</td><td>SRU3 : BTA-B</td></tr><tr><td colspan="2">FEED COUNTER DISP.</td><td>E</td><td>SRU3 : BTA-B</td></tr><tr><td>TRAY1</td><td>Paper feed tray 1 counter</td><td>F</td><td>SRU3 : BTA-B</td></tr><tr><td>TRAY2</td><td>Paper feed tray 2 counter</td><td>G</td><td>SRU3 : BTA-B</td></tr><tr><td>LCC1/TRAY3</td><td>Paper feed tray 3 counter</td><td>H</td><td>SRU3 : BTA-B</td></tr><tr><td>LCC2/TRAY4</td><td>LCC2<br/>or paper feed tray 4 counter</td><td>I</td><td>SRU3 : BTA-B</td></tr><tr><td>BPT</td><td>Manual paper feed counter</td><td>J</td><td>SRU3 : BTA-B</td></tr><tr><td>ADJ</td><td>Duplex counter</td><td>K</td><td>SRU3 : BTA-B</td></tr><tr><td></td><td></td><td rowspan="3">DESTINATION</td><td>Destination</td></tr><tr><td></td><td></td><td>1</td><td>SRU-OTHER</td></tr><tr><td></td><td></td><td>2</td><td>SRU-JAPAN</td></tr><tr><td></td><td></td><td>3</td><td>CRU</td></tr><tr><td></td><td></td><td colspan="2">JAM/TBL COUNTER DISP</td></tr><tr><td></td><td></td><td>JAM</td><td>Jam counter</td></tr><tr><td></td><td></td><td>TROUBLE</td><td>Trouble counter</td></tr></table> | COUNTER DISP.         |                             | PROCESS COUNTER DISP. |  | TOTAL | Total print quantity | DRUM | Drum counter | DRUM | Drum counter | TONER | Toner counter | TONER | Toner counter | DEVE | Developing counter | DEVE | Developing counter | MAINTE | Maintenance counter | MAINTE | Maintenance counter | DRUM MOTOR TIME | Drum motor drive time | TOTAL OUTPUT | Copy counter<br>(Effective paper counter) | TONER MOTOR TIME | Toner supply time | RIGHT-OUTPUT | Right paper exit counter | DV MOTOR TIME | Developing motor drive time | PRINTER | Printer counter | PROCESS WAY | Process system | OTHERS | Others | A | SRU3 : BTA-A | STAPLE COUTNER DISP. |  | B | SRU3 : BTA-B | STAPLE | Staple counter | C | SRU3 : BTA-B | PUNCH | Punch counter | D | SRU3 : BTA-B | FEED COUNTER DISP. |  | E | SRU3 : BTA-B | TRAY1 | Paper feed tray 1 counter | F | SRU3 : BTA-B | TRAY2 | Paper feed tray 2 counter | G | SRU3 : BTA-B | LCC1/TRAY3 | Paper feed tray 3 counter | H | SRU3 : BTA-B | LCC2/TRAY4 | LCC2<br>or paper feed tray 4 counter | I | SRU3 : BTA-B | BPT | Manual paper feed counter | J | SRU3 : BTA-B | ADJ | Duplex counter | K | SRU3 : BTA-B |  |  | DESTINATION | Destination |  |  | 1 | SRU-OTHER |  |  | 2 | SRU-JAPAN |  |  | 3 | CRU |  |  | JAM/TBL COUNTER DISP |  |  |  | JAM | Jam counter |  |  | TROUBLE | Trouble counter |  |  |
| COUNTER DISP.        |  | PROCESS COUNTER DISP. |                             |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| TOTAL                | Total print quantity   | DRUM                  | Drum counter                |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| DRUM                 | Drum counter   | TONER                 | Toner counter               |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| TONER                | Toner counter  | DEVE                  | Developing counter          |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| DEVE                 | Developing counter   | MAINTE                | Maintenance counter         |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| MAINTE               | Maintenance counter  | DRUM MOTOR TIME       | Drum motor drive time       |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| TOTAL OUTPUT         | Copy counter<br>(Effective paper counter)  | TONER MOTOR TIME      | Toner supply time           |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| RIGHT-OUTPUT         | Right paper exit counter   | DV MOTOR TIME         | Developing motor drive time |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| PRINTER              | Printer counter  | PROCESS WAY           | Process system              |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| OTHERS               | Others   |                       | A                           | SRU3 : BTA-A          |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| STAPLE COUTNER DISP. |  |                       | B                           | SRU3 : BTA-B          |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| STAPLE               | Staple counter   |                       | C                           | SRU3 : BTA-B          |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| PUNCH                | Punch counter  |                       | D                           | SRU3 : BTA-B          |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| FEED COUNTER DISP.   |  |                       | E                           | SRU3 : BTA-B          |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| TRAY1                | Paper feed tray 1 counter  |                       | F                           | SRU3 : BTA-B          |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| TRAY2                | Paper feed tray 2 counter  |                       | G                           | SRU3 : BTA-B          |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| LCC1/TRAY3           | Paper feed tray 3 counter  |                       | H                           | SRU3 : BTA-B          |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| LCC2/TRAY4           | LCC2<br>or paper feed tray 4 counter   |                       | I                           | SRU3 : BTA-B          |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| BPT                  | Manual paper feed counter  | J                     | SRU3 : BTA-B                |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
| ADJ                  | Duplex counter   | K                     | SRU3 : BTA-B                |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
|                      |  | DESTINATION           | Destination                 |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
|                      |  |                       | 1                           | SRU-OTHER             |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
|                      |  |                       | 2                           | SRU-JAPAN             |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
|                      |  | 3                     | CRU                         |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
|                      |  | JAM/TBL COUNTER DISP  |                             |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
|                      |  | JAM                   | Jam counter                 |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |
|                      |  | TROUBLE               | Trouble counter             |                       |  |       |                      |      |              |      |              |       |               |       |               |      |                    |      |                    |        |                     |        |                     |                 |                       |              |   |                  |                   |              |                          |               |                             |         |                 |             |                |        |        |   |              |                      |  |   |              |        |                |   |              |       |               |   |              |                    |  |   |              |       |                           |   |              |       |                           |   |              |            |                           |   |              |            |                                      |   |              |     |                           |   |              |     |                |   |              |  |  |             |             |  |  |   |           |  |  |   |           |  |  |   |     |  |  |                      |  |  |  |     |             |  |  |         |                 |  |  |

| Menu                 | Content   | Initial value        | Set range                                 |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
|----------------------|---|----------------------|---|--------------------|---|-------|---------------------------------------|-------|------------------------------------|-------|---------------------------|--------------------|--|------------|---------------------------|------|--------------|------------|----------------------------------|---------------------|--|-----|---------------------------|-------|---------------|-----|----------------|----------------------|--|----------------------|--|--------------|---|--------|----------------|---------|-----------------|-------|---------------|--------|--------|-------------------|--|------------------|--|------------|---------------------|---------------|----------------|--|--|---------------|----------------------|--|--|--------------------|--|--|--|-----|-------------|--|--|---------|-----------------|--|--|
| COUNTER DATA CLEAR   | <div><div><div>XXXXX COUNTER CLEAR</div></div><div><p>*Pressing the [△] or [▽] key selects the counter group for the counter clear mode.</p><p>*Pressing [OK] key displays the counter clear group.</p><p>*Using [MENU] moves to the next mode</p><p>*Pressing the [△] or [▽] keys changes the YES or NO.</p><p>*Pressing [OK] key starts the counter data clear mode.</p><p>*Pressing [BACK/C] key terminates the counter data clear mode.</p><p>COUNTER CLEAR:</p><table><tr><td colspan="2">FEED COUNTER CLEAR</td><td colspan="2">DEVE COUNTER CLEAR</td></tr><tr><td>TRAY1</td><td>Paper feed tray 1 counter</td><td>DEVE</td><td>Developing counter</td></tr><tr><td>TRAY2</td><td>Paper feed tray 2 counter</td><td colspan="2">DRUM COUNTER CLEAR</td></tr><tr><td>LCC1/TRAY3</td><td>Paper feed tray 3 counter</td><td>DRUM</td><td>Drum counter</td></tr><tr><td>LCC1/TRAY4</td><td>LCC1 or paper ray tray 4 counter</td><td colspan="2">TONER COUNTER CLEAR</td></tr><tr><td>BPT</td><td>Manual paper feed counter</td><td>TONER</td><td>Toner counter</td></tr><tr><td>ADU</td><td>Duplex counter</td><td colspan="2">OUTPUT COUNTER CLEAR</td></tr><tr><td colspan="2">STAPLE COUNTER CLEAR</td><td>TOTAL OUTPUT</td><td>Copy counter<br/>(Effective paper counter)</td></tr><tr><td>STAPLE</td><td>Staple counter</td><td>PRINTER</td><td>Printer counter</td></tr><tr><td>PUNCH</td><td>Punch counter</td><td>OTHERS</td><td>Others</td></tr><tr><td colspan="2">MNT COUNTER CLEAR</td><td colspan="2">TIMER DATA CLEAR</td></tr><tr><td>MENTENANCE</td><td>Maintenance counter</td><td>DRUM ROTATION</td><td>Drum motor RPM</td></tr><tr><td></td><td></td><td>DEVE ROTATION</td><td>Developing motor RPM</td></tr><tr><td></td><td></td><td colspan="2">JAM/TBL COUNTER CL</td></tr><tr><td></td><td></td><td>JAM</td><td>Jam counter</td></tr><tr><td></td><td></td><td>TROUBLE</td><td>Trouble counter</td></tr></table></div></div> | FEED COUNTER CLEAR   |   | DEVE COUNTER CLEAR |   | TRAY1 | Paper feed tray 1 counter             | DEVE  | Developing counter                 | TRAY2 | Paper feed tray 2 counter | DRUM COUNTER CLEAR |  | LCC1/TRAY3 | Paper feed tray 3 counter | DRUM | Drum counter | LCC1/TRAY4 | LCC1 or paper ray tray 4 counter | TONER COUNTER CLEAR |  | BPT | Manual paper feed counter | TONER | Toner counter | ADU | Duplex counter | OUTPUT COUNTER CLEAR |  | STAPLE COUNTER CLEAR |  | TOTAL OUTPUT | Copy counter<br>(Effective paper counter) | STAPLE | Staple counter | PRINTER | Printer counter | PUNCH | Punch counter | OTHERS | Others | MNT COUNTER CLEAR |  | TIMER DATA CLEAR |  | MENTENANCE | Maintenance counter | DRUM ROTATION | Drum motor RPM |  |  | DEVE ROTATION | Developing motor RPM |  |  | JAM/TBL COUNTER CL |  |  |  | JAM | Jam counter |  |  | TROUBLE | Trouble counter |  |  |
| FEED COUNTER CLEAR   |   | DEVE COUNTER CLEAR   |   |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| TRAY1                | Paper feed tray 1 counter   | DEVE                 | Developing counter                        |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| TRAY2                | Paper feed tray 2 counter   | DRUM COUNTER CLEAR   |   |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| LCC1/TRAY3           | Paper feed tray 3 counter   | DRUM                 | Drum counter                              |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| LCC1/TRAY4           | LCC1 or paper ray tray 4 counter  | TONER COUNTER CLEAR  |   |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| BPT                  | Manual paper feed counter   | TONER                | Toner counter                             |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| ADU                  | Duplex counter  | OUTPUT COUNTER CLEAR |   |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| STAPLE COUNTER CLEAR |   | TOTAL OUTPUT         | Copy counter<br>(Effective paper counter) |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| STAPLE               | Staple counter  | PRINTER              | Printer counter                           |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| PUNCH                | Punch counter   | OTHERS               | Others                                    |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| MNT COUNTER CLEAR    |   | TIMER DATA CLEAR     |   |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| MENTENANCE           | Maintenance counter   | DRUM ROTATION        | Drum motor RPM                            |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
|                      |   | DEVE ROTATION        | Developing motor RPM                      |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
|                      |   | JAM/TBL COUNTER CL   |   |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
|                      |   | JAM                  | Jam counter                               |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
|                      |   | TROUBLE              | Trouble counter                           |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| TROUBLE CANCEL X     | <div><div><div>TROUBLE CANCEL X</div></div><div><p>*Pressing the [△] or [▽] key selects the trouble cancel mode.</p><p>*Pressing [OK] key start the trouble cancel mode.</p><p>*Using [△] and [▽] keys changes the YES or NO.</p><p>*Pressing [OK] key starts the trouble cancel mode.</p><p>*Pressing [BACK/C] key terminates the trouble cancel mode.</p><table><tr><td>X:</td><td></td></tr><tr><td>E-TBL</td><td>Cancel troubles except for U2 in the engine mode.</td></tr><tr><td>E-U2</td><td>Cancel U2 trouble in the engine mode.</td></tr><tr><td>C-TBL</td><td>Cancel trouble in the contoroller.</td></tr></table></div></div>  | X:                   |   | E-TBL              | Cancel troubles except for U2 in the engine mode. | E-U2  | Cancel U2 trouble in the engine mode. | C-TBL | Cancel trouble in the contoroller. |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| X:                   |   |                      |   |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| E-TBL                | Cancel troubles except for U2 in the engine mode.   |                      |   |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| E-U2                 | Cancel U2 trouble in the engine mode.   |                      |   |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |
| C-TBL                | Cancel trouble in the contoroller.  |                      |   |                    |   |       |                                       |       |                                    |       |                           |                    |  |            |                           |      |              |            |                                  |                     |  |     |                           |       |               |     |                |                      |  |                      |  |              |   |        |                |         |                 |       |               |        |        |                   |  |                  |  |            |                     |               |                |  |  |               |                      |  |  |                    |  |  |  |     |             |  |  |         |                 |  |  |

| Menu                | Content  | Initial value  | Set range                    |       |       |     |                    |  |  |     |            |  |                               |
|---------------------|--|--|------------------------------|-------|-------|-----|--------------------|--|--|-----|------------|--|-------------------------------|
| XXX SIZE SETUP      | <p><b>Tray size setting.</b><br/>Used to set the paper size on No. 1 paper feed tray and the LCC tray.<br/>(LCD display)</p> <div>XXX SIZE SETUP</div> <p>*Pressing the [△] or [▽] key select the tray.<br/>*Pressing [OK] key displays the tray size.<br/>*Using [△] and [▽] keys changes the tray size.<br/>*Pressing [OK] key set the change of the tray size.<br/>*Pressing [BACK/C] key terminates the setting.</p> <table><tr><td>XXX:</td><td></td></tr><tr><td>TRAY1</td><td>TRAY1</td></tr><tr><td>LCC</td><td>LCC</td></tr></table>  | XXX:   |                              | TRAY1 | TRAY1 | LCC | LCC                | inch<br><div>8.5"x11"</div><br><br>AB<br><div>A4</div> | Tray1<br><div>A4</div> <div>B5</div> <div>8.5"x11"</div><br><br>LCC<br><div>A4</div> <div>8.5"x11"</div> |     |            |  |                               |
| XXX:                |  |  |                              |       |       |     |                    |  |  |     |            |  |                               |
| TRAY1               | TRAY1  |  |                              |       |       |     |                    |  |  |     |            |  |                               |
| LCC                 | LCC  |  |                              |       |       |     |                    |  |  |     |            |  |                               |
| DESTINATION SETUP   | <p><b>Destination setup.</b><br/>Used to perform the destination setup.<br/>(LCD display)</p> <div>DESTINATION SETUP</div> <p>*Pressing the [△] or [▽] key select the destination.<br/>*Pressing [OK] key displays the destination.<br/>*Using [△] and [▽] keys changes the destination.<br/>*Pressing [OK] key set the change of the destination.<br/>*Pressing [BACK/C] key terminates the setting.</p>  |  |                              |       |       |     |                    |  |  |     |            |  |                               |
| TRAY DETECT TYPE xx | <p><b>Tray detect type setting.</b><br/>Used to select between the AB series and the inch series for size detection of each paper feed tray.<br/>(LCD display)</p> <div>TRAY DETECT TYPE XXX</div> <p>*Pressing the [△] or [▽] key select the tray.<br/>*Pressing [OK] key displays the destination.<br/>*Using [△] and [▽] keys changes the destination.<br/>*Pressing [OK] key set the change of the destination.<br/>*Pressing [BACK/C] key terminates the setting.</p> <table><tr><td>XX:</td><td></td></tr><tr><td>B:</td><td>BPT</td></tr><tr><td>T2:</td><td>Multi purpose tray</td></tr><tr><td>T3:</td><td>Desk tray1</td></tr><tr><td>T4:</td><td>Desk tray2</td></tr></table> | XX:  |                              | B:    | BPT   | T2: | Multi purpose tray | T3:  | Desk tray1   | T4: | Desk tray2 |  | <div>AB</div> <div>INCH</div> |
| XX:                 |  |  |                              |       |       |     |                    |  |  |     |            |  |                               |
| B:                  | BPT  |  |                              |       |       |     |                    |  |  |     |            |  |                               |
| T2:                 | Multi purpose tray   |  |                              |       |       |     |                    |  |  |     |            |  |                               |
| T3:                 | Desk tray1   |  |                              |       |       |     |                    |  |  |     |            |  |                               |
| T4:                 | Desk tray2   |  |                              |       |       |     |                    |  |  |     |            |  |                               |
| CE MARK SETTING     | <p><b>CE mark setting.</b><br/>Used to set the operation mode conforming to the CE mark.<br/>(LCD display)</p> <div>CE MARK SETTING</div> <p>*Pressing [OK] key start the setting.<br/>*Using [△] and [▽] keys changes the YES or NO.<br/>*Pressing [OK] key memorize the CE mark mode.<br/>*Pressing [BACK/C] key terminates the setting.</p>   | <div>Yes<br/>(Europe)</div> <div>No<br/>(Others)</div> | <div>YES</div> <div>NO</div> |       |       |     |                    |  |  |     |            |  |                               |

| Menu                 | Content   | Initial value | Set range   |    |                                       |    |  |    |                                      |    |                           |  |  |
|----------------------|---|---------------|---|----|---------------------------------------|----|--|----|--------------------------------------|----|---------------------------|--|--|
| COUNTUP MODE SETUP   | <p><b>countup mode setup.</b><br/>1.Used to set the count-up mode of A3 (11 x 17) paper.<br/>2.Used to set whether to perform count-up of blank paper.<br/>(LCD display)</p> <div>COUNTUP MODE SETUP X</div> <p>*Pressing the [△] or [▽] key select the counter mode.<br/>*Pressing [OK] key start the setting.<br/>*Using [△] and [▽] keys changes the countup number.<br/>*Pressing [OK] key memorize the countup number.<br/>*Pressing [BACK/C] key terminates the setting.</p> <table><tr><td>X:</td><td></td></tr><tr><td>A:</td><td>total counter A3(11X17) countup mode.</td></tr><tr><td>B:</td><td>mainte counter A3(11X17) countup mode.</td></tr><tr><td>C:</td><td>deve counter A3(11X17) countup mode.</td></tr><tr><td>D:</td><td>blank paper countup mode.</td></tr></table> | X:            |   | A: | total counter A3(11X17) countup mode. | B: | mainte counter A3(11X17) countup mode. | C: | deve counter A3(11X17) countup mode. | D: | blank paper countup mode. | A ~ C<br><div>Double</div><br><br>D<br><div>No<br/>(Japan, AUS)<br/>Yes<br/>(Others)</div> | A ~ C<br><div>SINGLE<br/>DOUBLE</div><br><br>D<br><div>NO<br/>(NO-COUNT UP)<br/>YES<br/>(COUNT UP)</div> |
| X:                   |   |               |   |    |                                       |    |  |    |                                      |    |                           |  |  |
| A:                   | total counter A3(11X17) countup mode.   |               |   |    |                                       |    |  |    |                                      |    |                           |  |  |
| B:                   | mainte counter A3(11X17) countup mode.  |               |   |    |                                       |    |  |    |                                      |    |                           |  |  |
| C:                   | deve counter A3(11X17) countup mode.  |               |   |    |                                       |    |  |    |                                      |    |                           |  |  |
| D:                   | blank paper countup mode.   |               |   |    |                                       |    |  |    |                                      |    |                           |  |  |
| MNT CYCLE SETUP      | <p><b>Maintenance cycle setup.</b><br/>Used to set the maintenance cycle.<br/>(LCD display)</p> <div>MNT CYCLE SETUP</div> <p>*Pressing [OK] key displays the maintenance cycle.<br/>*Using [△] and [▽] keys changes the maintenance cycle.<br/>*Pressing [OK] key set the change of the maintenance cycle.<br/>*Pressing [BACK/C] key terminates the setting.</p>  | Default       | <div>DEFAULT<br/>40K<br/>50K<br/>80K<br/>100K<br/>120K<br/>FREE</div> |    |                                       |    |  |    |                                      |    |                           |  |  |
| LIFE OVER SETTING    | <p><b>Life over setting.</b><br/>Used to set whether to stop printing when the developer life is over.</p> <div>Caution : This function is not include.</div> <p>(LCD display)</p> <div>LIFE OVER SETTING</div> <p>*Pressing [OK] key start the setting.<br/>*Using [△] and [▽] keys changes the YES or NO.<br/>*Pressing [OK] key memorize the life over mode.<br/>*Pressing [BACK/C] key terminates the setting.</p>  | Yes           | <div>YES<br/>NO</div>   |    |                                       |    |  |    |                                      |    |                           |  |  |
| FINISHER JOGGER ADJ. | <p><b>Finisher jogger adjustment.</b><br/>Used to adjust the finisher (AR-FN6/FN7) jogger.<br/>For details, refer to each Service Manual of the AR-FN6/FN7.<br/>(LCD display)</p> <div>FINISHER JOGGER ADJ.</div> <p>*Press [OK] key to display the finisher jogger adjustment value.<br/>*Using [△] or [▽] key changes the value.<br/>*Press [MENU] key to display the adjustment value.<br/>*Press [△] or [▽] key to change the value.<br/>*Pressing [OK] key starts the finisher jogger adjustment.<br/>*DATA ( LED) blinks during the processing.<br/>*Pressing [BACK/C] key terminates the finisher jogger adjustment.</p>   | 50            |   |    |                                       |    |  |    |                                      |    |                           |  |  |

| Menu                  | Content   | Initial value | Set range                                      |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
|-----------------------|---|---------------|--|---------------|---|-------------------------|---|----------|---|-------|---|-------------------------------------|--|----------|---|----------|--|------------------------|--|----------|--|-----|----|----------------------------|-----|----|--------------|----|----|---------------------------|----|----|----------------|----|--------------------|--|
| CONSOLE FIN. SET X    | <p><b>Console finisher setting.</b><br/>Used to perform the adjustments of the console finisher (AR-FN7).<br/>For details, refer to the Service Manual of the AR-FN7.<br/>(LCD display)</p> <div>CONSOLE FIN. SET X</div> <p>*Pressing the [△] or [▽] key select the console finisher mode.<br/>*Pressing [OK] key start the setting.<br/>*Using [△] and [▽] keys changes the value.<br/>*Pressing [OK] key memorize thevalue.<br/>*Pressing [BACK/C] key terminates the setting.</p> <table><tr><td>X:</td><td></td><td>Initial value</td></tr><tr><td>A:</td><td>saddle binding position</td><td>200</td></tr><tr><td>B:</td><td>saddle fold position</td><td>200</td></tr><tr><td>C:</td><td>console finisher adjustment (front)</td><td>10</td></tr><tr><td>D:</td><td>console finisher adjustment (rear)</td><td>10</td></tr><tr><td>E:</td><td>staple position (rear)</td><td>100</td></tr><tr><td>F:</td><td>staple position (front)</td><td>100</td></tr><tr><td>G:</td><td>center adjustment (staple)</td><td>100</td></tr><tr><td>H:</td><td>staple pitch</td><td>50</td></tr><tr><td>I:</td><td>center adjustment (punch)</td><td>50</td></tr><tr><td>J:</td><td>punch position</td><td>50</td></tr></table> | X:            |  | Initial value | A:  | saddle binding position | 200                                     | B:       | saddle fold position                      | 200   | C:  | console finisher adjustment (front) | 10   | D:       | console finisher adjustment (rear)        | 10       | E:                                     | staple position (rear) | 100                                    | F:       | staple position (front)                | 100 | G: | center adjustment (staple) | 100 | H: | staple pitch | 50 | I: | center adjustment (punch) | 50 | J: | punch position | 50 | Refer to the text. |  |
| X:                    |   | Initial value |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| A:                    | saddle binding position   | 200           |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| B:                    | saddle fold position  | 200           |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| C:                    | console finisher adjustment (front)   | 10            |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| D:                    | console finisher adjustment (rear)  | 10            |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| E:                    | staple position (rear)  | 100           |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| F:                    | staple position (front)   | 100           |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| G:                    | center adjustment (staple)  | 100           |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| H:                    | staple pitch  | 50            |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| I:                    | center adjustment (punch)   | 50            |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| J:                    | punch position  | 50            |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| TROUBLE MEM. MODE SET | <p><b>Trouble memory mode setting.</b><br/>Used to set the storing method of data into memory in case of a trouble.<br/>(LCD display)</p> <div>MEMORY MODE SETTING</div> <p>*Pressing [OK] key start the setting.<br/>*Using [△] and [▽] keys changes the value.<br/>*Pressing [OK] key memorize thevalue.<br/>*Pressing [BACK/C] key terminates the setting.</p> <table><tr><td>Set value</td><td>Operation</td></tr><tr><td>ONCE</td><td>The same trouble as the previous one is not stored.</td></tr><tr><td>ANY</td><td>Any trouble is stored unconditionally.</td></tr></table>  | Set value     | Operation                                      | ONCE          | The same trouble as the previous one is not stored. | ANY                     | Any trouble is stored unconditionally.  | Once     | <div>ONCE</div> <div>ANY</div>            |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| Set value             | Operation   |               |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| ONCE                  | The same trouble as the previous one is not stored.   |               |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| ANY                   | Any trouble is stored unconditionally.  |               |  |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| LAST JAM CODE DISP    | <p><b>Last jam code display.</b><br/>Used to display the final jam history.<br/>(LCD display)</p> <div>LAST JAM CODE DISP</div> <p>*Pressing [OK] key enter the last jam code display mode.<br/>*Pressing [BACK/C] key terminates the last jam code display mode.</p> <table><tr><td>NONE</td><td>No jam. Also used when canceling a jam.</td><td>MPFD_ND1</td><td>MPFD not-reaching jam (Desk tray 1 paper)</td></tr><tr><td>NONE</td><td>No jam. Also used when canceling a jam.</td><td>MPFD_ND2</td><td>MPFD not-reaching jam (Desk tray 2 paper)</td></tr><tr><td>TRAY2</td><td>Tray 2 paper feed jam (MPFD not-reaching)</td><td>MPFD_NTD</td><td>MPFD not-reaching jam (Tandem desk tray paper)</td></tr><tr><td>MPFD_ST2</td><td>MPFD remaining jam (Machine tray 2 paper)</td><td>MPFD_SD2</td><td>MPFD remaining jam (Desk tray 2 paper)</td></tr><tr><td>MPFD_SD1</td><td>MPFD remaining jam (Desk tray 1 paper)</td><td>MPFD_STD</td><td>MPFD remaining ham (Tandem desk paper)</td></tr></table>   | NONE          | No jam. Also used when canceling a jam.        | MPFD_ND1      | MPFD not-reaching jam (Desk tray 1 paper)           | NONE                    | No jam. Also used when canceling a jam. | MPFD_ND2 | MPFD not-reaching jam (Desk tray 2 paper) | TRAY2 | Tray 2 paper feed jam (MPFD not-reaching) | MPFD_NTD                            | MPFD not-reaching jam (Tandem desk tray paper) | MPFD_ST2 | MPFD remaining jam (Machine tray 2 paper) | MPFD_SD2 | MPFD remaining jam (Desk tray 2 paper) | MPFD_SD1               | MPFD remaining jam (Desk tray 1 paper) | MPFD_STD | MPFD remaining ham (Tandem desk paper) |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| NONE                  | No jam. Also used when canceling a jam.   | MPFD_ND1      | MPFD not-reaching jam (Desk tray 1 paper)      |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| NONE                  | No jam. Also used when canceling a jam.   | MPFD_ND2      | MPFD not-reaching jam (Desk tray 2 paper)      |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| TRAY2                 | Tray 2 paper feed jam (MPFD not-reaching)   | MPFD_NTD      | MPFD not-reaching jam (Tandem desk tray paper) |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| MPFD_ST2              | MPFD remaining jam (Machine tray 2 paper)   | MPFD_SD2      | MPFD remaining jam (Desk tray 2 paper)         |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |
| MPFD_SD1              | MPFD remaining jam (Desk tray 1 paper)  | MPFD_STD      | MPFD remaining ham (Tandem desk paper)         |               |   |                         |   |          |   |       |   |                                     |  |          |   |          |  |                        |  |          |  |     |    |                            |     |    |              |    |    |                           |    |    |                |    |                    |  |

| Menu               | Content   |   |                |   | Initial value | Set range |
|--------------------|---|---|----------------|---|---------------|-----------|
| LAST JAM CODE DISP | <b>Last jam code display.</b><br>Used to display the final jam history. |   |                |   |               |           |
|                    | PPD1_NMF  | PPD1 not-reaching jam<br>(Manual feed tray paper)               | PPD1_ND2       | PPD1 not-reaching jam<br>(Desk tray 2 paper)  |               |           |
|                    | TRAY1   | Tray 1 paper feed jam<br>(PPD1 not-reaching)                    | PPD1_NTD       | PPD1 not-reaching jam<br>(Tandem desk paper)  |               |           |
|                    | PPD1_NT2  | PPD1 not-reaching jam<br>(Machine tray 2 paper)                 | PPD1_NAD       | PPD1 not-reaching jam<br>(ADU re-feed paper)  |               |           |
|                    | PPD1_ND1  | PPD1 not-reaching jam<br>(Desk tray 1 paper)                    |                |   |               |           |
|                    |   |   |                |   |               |           |
|                    | PPD1_SMF  | PPD1 remaining jam<br>(Manual feed tray paper)                  | PPD1_SD2       | PPD1 remaining jam<br>(Desk tray 2 paper)   |               |           |
|                    | PPD1_ST1  | PPD1 remaining jam<br>(Machine tray 1 paper)                    | PPD1_STD       | PPD1 remaining jam<br>(Tandem desk paper)   |               |           |
|                    | PPD1_ST2  | PPD1 remaining jam<br>(Machine tray 2 paper)                    | PPD1_SAD       | PPD1 remaining jam<br>(ADU re-feed paper)   |               |           |
|                    | PPD1_SD1  | PPD1 remaining jam<br>(Desk tray 1 paper)                       |                |   |               |           |
|                    |   |   |                |   |               |           |
|                    | PPD1_PRI  | PPD1 jam<br>(Image ready complete is not sent<br>from the ICU.) | POD2_N         | POD2 not-reaching jam   |               |           |
|                    | POD1_N  | POD1 not-reaching jam   | POD2_SR        | POD2 remaining jam<br>(When discharging paper to the<br>right side of the machine.) |               |           |
|                    | POD1_S  | POD1 remaining jam  | POD2_SL        | POD2 remaining jam<br>(When discharging paper to the left<br>side of the machine.)  |               |           |
|                    |   |   |                |   |               |           |
|                    | AINPD_N   | ADU paper entry sensor not-<br>reaching jam                     | APPD1_S        | ADU transport sensor 1 remaining  |               |           |
|                    | AINPD_S   | ADU paper entry sensor remaining<br>jam                         | APPD2_N        | ADU transport sensor 2<br>not-reaching jam<br>(During ADU transport)                |               |           |
|                    | APOD_N  | ADU paper exit sensor not-<br>reaching jam                      | APPD2_S        | ADU transport sensor 2 remaining<br>jam (During ADU transport)                      |               |           |
|                    | APOD_S  | ADU paper exit sensor remaining<br>jam                          | BPT            | Manual feed tray paper feed jam<br>(APPD2 not-reaching)                             |               |           |
|                    | APPD1_N   | ADU transport sensor 1<br>not-reaching jam                      | APPD2<br>_SMF  | ADU transport sensor 2 remaining<br>jam (Manual paper feed tray paper)              |               |           |
|                    |   |   |                |   |               |           |
|                    | DESK2   | Desk tray 2 paper feed jam<br>(DPFD3 not-reaching)              | DPFD2_ND2      | DPFD2 not-reaching jam<br>(Desk tray 2 paper)                                       |               |           |
|                    | DPFD3_SD2   | DPFD3 remaining jam<br>(Desk tray 2 paper)                      | DPFD2_SD1      | DPFD2 remaining jam<br>(Desk tray 1 paper)  |               |           |
|                    | DESK1   | Desk tray 1 paper feed jam<br>(DPFD2 not-reaching)              | DPFD2_SD2      | DPFD2 remaining jam<br>(Desk tray 2 paper)  |               |           |
|                    |   |   |                |   |               |           |
|                    | TTRAY2  | Tandem tray 2 paper feed jam<br>(TPFD3 not-reaching)            | TPFD2<br>_NTD2 | TPFD2 not-reaching jam<br>(Tandem tray 2 paper)                                     |               |           |
|                    | TPFD3<br>_STD2  | TPFD3 remaining jam<br>(Tandem tray 2 paper)                    | TPFD2<br>_STD1 | TPFD2 remaining jam<br>(Tandem tray 1 paper)  |               |           |
|                    | TTRAY1  | Tandem tray 1 paper feed jam<br>(TPFD2 not-reaching)            | TPFD2<br>_STD2 | TPFD2 remaining jam<br>(Tandem tray 2 paper)  |               |           |
|                    |   |   |                |   |               |           |
|                    | FPID_N  | Build-in finisher PID not-reaching<br>jam                       | FPPD_S         | Build-in finisher PPD remaining<br>jam  |               |           |
|                    | FPID_S  | Build-in finisher PID remaining jam                             | FSCPD_N        | Build-in finisher SCPD<br>not-reaching jam  |               |           |
|                    | FSCID_N   | Build-in finisher SCID not-reaching<br>jam                      | FSCPD_S        | Build-in finisher SCPD remaining<br>jam   |               |           |
|                    | FSCID_S   | Build-in finisher SCID remaining<br>jam                         | FPOD_N         | Build-in finisher POD not-reaching<br>jam   |               |           |
|                    | FSCID2_N  | Build-in finisher SCID2<br>not-reaching jam                     | FPOD_S         | Build-in finisher POD remaining<br>jam  |               |           |
|                    | FSCID2_S  | Build-in finisher SCID2 remaining<br>jam                        |                |   |               |           |

| Menu                 | Content  | Initial value | Set range  |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
|----------------------|--|---------------|--|-------|---|-------|--|-------|---|--------|--|------|--|--------|---|--|------------------------------------|--|--|--|--|-------|-------------------------------|---------|---------------------------------|-------|----------------------------|---------|------------------------------|---------|---------------------------------|---------|---------------------------------|---------|------------------------------|---------|------------------------------|---------|---------------------------------|---------|---------------------------------|---------|------------------------------|---------|------------------------------|--|--|
| LAST JAM CODE DISP   | <p><b>Last jam code display.</b><br/>Used to display the final jam history.</p> <table border="1"> <tr> <td>FES_N</td><td>Console finisher entry port sensor (FES) not-reaching jam</td><td>FSTPL</td><td>Console finisher staple jam (The stapler does not end clinching.)</td></tr> <tr> <td>FES_S</td><td>Console finisher entry port sensor (FES) remaining jam</td><td>FPNCH</td><td>Console finisher punch jam (The puncher does not end punching.)</td></tr> <tr> <td>FFPS_N</td><td>Console finisher saddle not-reaching jam (The saddle does not reach the folding position sensor (FFPS).)</td><td>FDOP</td><td>Console finisher door open jam (The front door/joint/upper cover is opened during paper passing or after process.)</td></tr> <tr> <td>FFPS_S</td><td>Console finisher saddle remaining jam (The folding position sensor (FFPS) does not turn off.)</td><td></td><td></td></tr> <tr> <td></td><td></td><td></td><td></td></tr> <tr> <td>PID_N</td><td>Mail box PID not-reaching jam</td><td>MPPD3_N</td><td>Mail box MPPD3 not-reaching jam</td></tr> <tr> <td>PID_S</td><td>Mail box PID remaining jam</td><td>MPPD3_S</td><td>Mail box MPPD3 remaining jam</td></tr> <tr> <td>MPPD1_N</td><td>Mail box MPPD1 not-reaching jam</td><td>MPPD4_N</td><td>Mail box MPPD4 not-reaching jam</td></tr> <tr> <td>MPPD1_S</td><td>Mail box MPPD1 remaining jam</td><td>MPPD4_S</td><td>Mail box MPPD4 remaining jam</td></tr> <tr> <td>MPPD2_N</td><td>Mail box MPPD2 not-reaching jam</td><td>MPPD5_N</td><td>Mail box MPPD5 not-reaching jam</td></tr> <tr> <td>MPPD2_S</td><td>Mail box MPPD2 remaining jam</td><td>MPPD5_S</td><td>Mail box MPPD5 remaining jam</td></tr> </table> | FES_N         | Console finisher entry port sensor (FES) not-reaching jam  | FSTPL | Console finisher staple jam (The stapler does not end clinching.) | FES_S | Console finisher entry port sensor (FES) remaining jam | FPNCH | Console finisher punch jam (The puncher does not end punching.) | FFPS_N | Console finisher saddle not-reaching jam (The saddle does not reach the folding position sensor (FFPS).) | FDOP | Console finisher door open jam (The front door/joint/upper cover is opened during paper passing or after process.) | FFPS_S | Console finisher saddle remaining jam (The folding position sensor (FFPS) does not turn off.) |  |                                    |  |  |  |  | PID_N | Mail box PID not-reaching jam | MPPD3_N | Mail box MPPD3 not-reaching jam | PID_S | Mail box PID remaining jam | MPPD3_S | Mail box MPPD3 remaining jam | MPPD1_N | Mail box MPPD1 not-reaching jam | MPPD4_N | Mail box MPPD4 not-reaching jam | MPPD1_S | Mail box MPPD1 remaining jam | MPPD4_S | Mail box MPPD4 remaining jam | MPPD2_N | Mail box MPPD2 not-reaching jam | MPPD5_N | Mail box MPPD5 not-reaching jam | MPPD2_S | Mail box MPPD2 remaining jam | MPPD5_S | Mail box MPPD5 remaining jam |  |  |
| FES_N                | Console finisher entry port sensor (FES) not-reaching jam  | FSTPL         | Console finisher staple jam (The stapler does not end clinching.)  |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| FES_S                | Console finisher entry port sensor (FES) remaining jam   | FPNCH         | Console finisher punch jam (The puncher does not end punching.)  |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| FFPS_N               | Console finisher saddle not-reaching jam (The saddle does not reach the folding position sensor (FFPS).)   | FDOP          | Console finisher door open jam (The front door/joint/upper cover is opened during paper passing or after process.) |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| FFPS_S               | Console finisher saddle remaining jam (The folding position sensor (FFPS) does not turn off.)  |               |  |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
|                      |  |               |  |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| PID_N                | Mail box PID not-reaching jam  | MPPD3_N       | Mail box MPPD3 not-reaching jam  |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| PID_S                | Mail box PID remaining jam   | MPPD3_S       | Mail box MPPD3 remaining jam   |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| MPPD1_N              | Mail box MPPD1 not-reaching jam  | MPPD4_N       | Mail box MPPD4 not-reaching jam  |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| MPPD1_S              | Mail box MPPD1 remaining jam   | MPPD4_S       | Mail box MPPD4 remaining jam   |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| MPPD2_N              | Mail box MPPD2 not-reaching jam  | MPPD5_N       | Mail box MPPD5 not-reaching jam  |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| MPPD2_S              | Mail box MPPD2 remaining jam   | MPPD5_S       | Mail box MPPD5 remaining jam   |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| SYSTEM INFORMATION X | <p><b>System information display.</b><br/>Use to display the machine information. (LCD display)</p> <div style="border: 1px solid black; padding: 10px; text-align: center; margin: 10px auto; width: fit-content;">SYSTEM INFORMATION X</div> <p>*Pressing the [△] or [▽] key selects the group.<br/> *Pressing [OK] key displays the system information.<br/> *Using [MENU] moves to the next item.<br/> *Pressing [BACK/C] key terminates the system information</p> <p>Mode group is:</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 20%;">X:</td><td colspan="3"></td></tr> <tr> <td>A:</td><td colspan="3">ROM version</td></tr> <tr> <td>B:</td><td>machine speed</td><td></td><td>45PPM<br/>35PPM</td></tr> <tr> <td>C:</td><td>process type</td><td></td><td>SRU (Others)<br/>SRU (Japan)<br/>CRU</td></tr> </table>  | X:            |  |       |   | A:    | ROM version  |       |   | B:     | machine speed  |      | 45PPM<br>35PPM   | C:     | process type  |  | SRU (Others)<br>SRU (Japan)<br>CRU |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| X:                   |  |               |  |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| A:                   | ROM version  |               |  |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| B:                   | machine speed  |               | 45PPM<br>35PPM   |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |
| C:                   | process type   |               | SRU (Others)<br>SRU (Japan)<br>CRU   |       |   |       |  |       |   |        |  |      |  |        |   |  |                                    |  |  |  |  |       |                               |         |                                 |       |                            |         |                              |         |                                 |         |                                 |         |                              |         |                              |         |                                 |         |                                 |         |                              |         |                              |  |  |



| Menu                 | Content   | Initial value     | Set range                    |           |  |               |  |                     |   |  |  |
|----------------------|---|-------------------|------------------------------|-----------|--|---------------|--|---------------------|---|--|--|
| PROCESS DATA DISPLAY | <p><b>Process control data display.</b><br/>(LCD display)</p> <div>PROCESS DATA DISP</div> <p>*Pressing the [△] or [▽] key selects the group.<br/>*Pressing [OK] key displays the process control data.<br/>*Using [MENU] moves to the next item<br/>*Pressing [BACK/C] key terminates the process control data display mode.</p> <p>group is:</p> <table><tr><td>X:</td><td></td></tr><tr><td>A:</td><td>process control data</td></tr><tr><td>B:</td><td>toner control data</td></tr></table>   | X:                |                              | A:        | process control data                     | B:            | toner control data                               |                     |   |  |  |
| X:                   |   |                   |                              |           |  |               |  |                     |   |  |  |
| A:                   | process control data  |                   |                              |           |  |               |  |                     |   |  |  |
| B:                   | toner control data  |                   |                              |           |  |               |  |                     |   |  |  |
| XXX CHECK.           | <p><b>Controller port check.</b><br/>Used to check the interface port (Centro/NICS) of the controller PWB.<br/>(LCD display)</p> <div>CENTRO PORT CHECK</div> <div>NIC CHECK</div> <p>*Pressing the [△] or [▽] key selects the port check mode.<br/>*Pressing [OK] key start the port check.<br/>*Pressing [BACK/C] key terminates the the port check mode.</p> <table><tr><td>CENTRO PORT CHECK</td><td>CENTRO PORT CHECK</td></tr><tr><td>NIC CHECK</td><td>NIC CHECK (network interface card check)</td></tr><tr><td>HDD R/W CHECK</td><td>HDD operation check (read/write) (Partial check)</td></tr><tr><td>HDD R/W CHECK (ALL)</td><td>HDD operation check (read/write) (All area check)</td></tr></table> | CENTRO PORT CHECK | CENTRO PORT CHECK            | NIC CHECK | NIC CHECK (network interface card check) | HDD R/W CHECK | HDD operation check (read/write) (Partial check) | HDD R/W CHECK (ALL) | HDD operation check (read/write) (All area check) |  |  |
| CENTRO PORT CHECK    | CENTRO PORT CHECK   |                   |                              |           |  |               |  |                     |   |  |  |
| NIC CHECK            | NIC CHECK (network interface card check)  |                   |                              |           |  |               |  |                     |   |  |  |
| HDD R/W CHECK        | HDD operation check (read/write) (Partial check)  |                   |                              |           |  |               |  |                     |   |  |  |
| HDD R/W CHECK (ALL)  | HDD operation check (read/write) (All area check)   |                   |                              |           |  |               |  |                     |   |  |  |
| SELECT IN SIGNAL SET | <p><b>Select in signal setting.</b><br/>Used to set ON/OFF of the select IN signal of the parallel interface.<br/>(LCD display)</p> <div>SELECT IN SIGNAL SET</div> <p>*Pressing [OK] key start the select in signal setting mode.<br/>*Using the [△] and [▽] keys changes the ON or OFF.<br/>*Pressing [OK] key starts the select in signal setting.<br/>*Pressing [BACK/C] key terminates the select in signal setting mode.</p>  | ON                | <div>ON</div> <div>OFF</div> |           |  |               |  |                     |   |  |  |

# [11] TROUBLE CODES

## 1.Trouble codes list

| Trouble codes |    | Contents                                  | Remark                          | Trouble detection |
|---------------|----|---|---------------------------------|-------------------|
| C1            | 00 | MC trouble                                |                                 | PCU               |
| E7            | 02 | Laser trouble                             |                                 | PCU               |
|               | 03 | HDD trouble                               | With HDD installed              | Controller        |
|               | 06 | Decode error trouble                      |                                 | Controller        |
|               | 50 | LSU connection trouble                    |                                 | PCU               |
| F1            | 00 | Finisher communication trouble            | With Finisher installed         | PCU               |
|               | 08 | Finisher staple shift motor trouble       | With Finisher installed         | PCU               |
|               | 10 | Finisher stapler motor trouble            | With Finisher installed         | PCU               |
|               | 11 | Finisher bundle exit motor trouble        | With Finisher installed         | PCU               |
|               | 15 | Finisher lift motor trouble               | With Finisher installed         | PCU               |
|               | 19 | Finisher alignment motor trouble FRONT    | With Finisher installed         | PCU               |
|               | 20 | Finisher alignment motor trouble          | With Finisher installed         | PCU               |
|               | 80 | Finisher 24V power supply trouble         | With Finisher installed         | PCU               |
|               | 87 | Finisher staple rotation motor trouble    | With Finisher installed         |                   |
| F1            | 00 | Mail bin stacker communication trouble    | With Mail bin stacker installed | PCU               |
|               | 02 | mail bin stacker main drive motor trouble | With Mail bin stacker installed | PCU               |
|               | 12 | Mail bin stacker gate trouble             | With Mail bin stacker installed | PCU               |
|               | 80 | Mail bin stacker 24V power supply trouble | With Mail bin stacker installed | PCU               |

| Trouble codes |    | Contents   | Remark                          | Trouble detection |
|---------------|----|--|---------------------------------|-------------------|
| F1            | 03 | Console finisher paddle motor trouble                    | With Console Finisher installed | PCU               |
|               | 06 | Console finisher slide motor trouble                     | With Console Finisher installed | PCU               |
|               | 10 | Console finisher stapler motor trouble                   | With Console Finisher installed | PCU               |
|               | 11 | Console finisher bundle exit motor trouble               | With Console Finisher installed | PCU               |
|               | 15 | Console finisher lift motor trouble                      | With Console Finisher installed | PCU               |
|               | 19 | Console finisher alignment motor trouble FRONT           | With Console Finisher installed | PCU               |
|               | 20 | Console finisher alignment motor trouble                 | With Console Finisher installed | PCU               |
|               | 30 | Console finisher communication trouble                   | With Console Finisher installed | PCU               |
|               | 31 | Console finisher fold sensor trouble                     | With Console Finisher installed | PCU               |
|               | 32 | Console finisher punch unit communication trouble        | With Console Finisher installed | PCU               |
|               | 33 | Console finisher punch side register motor trouble       | With Console Finisher installed | PCU               |
|               | 34 | Console finisher punch motor trouble                     | With Console Finisher installed | PCU               |
|               | 35 | Console finisher punch side register sensor trouble      | With Console Finisher installed | PCU               |
|               | 36 | Console finisher punch timing sensor trouble             | With Console Finisher installed | PCU               |
|               | 37 | Console finisher backup RAM trouble                      | With Console Finisher installed | PCU               |
|               | 38 | Console finisher punch backup RAM trouble                | With Console Finisher installed | PCU               |
|               | 81 | Console finisher transport motor trouble                 | With Console Finisher installed | PCU               |
| F2            | 00 | Toner concentration sensor open                          |                                 | PCU               |
|               | 02 | Toner supply abnormality                                 |                                 | PCU               |
|               | 04 | Improper cartridge (Destination error, life cycle error) |                                 | PCU               |
|               | 05 | CRUM error   |                                 | PCU               |
|               | 39 | Process thermistor breakdown                             |                                 | PCU               |
| F3            | 12 | Tray 1 lift-p trouble                                    |                                 | PCU               |
|               | 22 | Tray 2 lift-up trouble (Multi-purpose tray)              | Multi-purpose tray              | PCU               |
| H2            | 00 | Thermistor open (HL1)                                    |                                 | PCU               |
|               | 01 | Thermistor open (HL2)                                    |                                 | PCU               |

| Trouble codes |    | Contents   | Remark                         | Trouble detection |
|---------------|----|--|--------------------------------|-------------------|
| H3            | 00 | Heat roller high temperature detection (HL1)         |                                | PCU               |
|               | 01 | Heat roller high temperature detection (HL2)         |                                | PCU               |
| H4            | 00 | Heat roller low temperature detection (HL1)          |                                | PCU               |
|               | 01 | Heat roller low temperature detection (HL2)          |                                | PCU               |
| H5            | 01 | 5-time continuous POD1 not-reaching JAM detection    |                                | PCU               |
| L4            | 01 | main motor lock detection                            |                                | PCU               |
|               | 02 | Drum motor lock detection                            |                                | PCU               |
| L6            | 10 | Polygon motor lock detection                         |                                | PCU               |
| L8            | 01 | No full-wave signal                                  |                                | PCU               |
|               | 02 | Full-wave signal width abnormality                   |                                | PCU               |
| U6            | 00 | Desk/LCC communication trouble                       | With Paper feed desk installed | PCU               |
|               | 01 | Desk/LCC1CS lift-up trouble (Multi-purpose tray)     | With Paper feed desk installed | PCU               |
|               | 02 | Desk2 CS lift-up trouble/LCC1 lift-up trouble        | With Paper feed desk installed | PCU               |
|               | 03 | Desk3 CS lift-up trouble/LCC2 lift-up trouble        | With Paper feed desk installed | PCU               |
|               | 10 | Desk/LCC transport motor trouble                     | With Paper feed desk installed | PCU               |
| EE            | EL | Auto developer adjustment trouble (Over-toner)       | Only during DIAG               | PCU               |
|               | EU | Auto developer adjustment trouble (Under-toner)      | Only during DIAG               | PCU               |
| F9            | 02 | Centro port check error                              |                                | Controller        |
|               | 03 | NIC port check error                                 |                                | Controller        |
| U1            | 01 | Battery abnormality                                  | With FAX board installed       | Controller        |
| U2            | 00 | EEPROM read/write error (Controller)                 |                                | Controller        |
|               | 11 | Counter check sum error (Controller EEPROM)          |                                | Controller        |
|               | 12 | Adjustment value check sum error (Controller EEPROM) |                                | Controller        |
|               | 90 | PCU section EEPROM read/write error                  |                                | PCU               |
|               | 91 | PCU section memory sum check error                   |                                | PCU               |
| U7            | 00 | PC/MODEM communication error                         |                                | Controller        |
| PF            | -- | RIC copy inhibit command reception                   |                                | Controller        |
| CH            | -- | Door open (CH ON)                                    |                                | PCU               |
|               | 00 | No developer cartridge                               |                                | PCU               |
|               | 01 | No toner cartridge                                   |                                | PCU               |
| --            | -- | Auditor not ready                                    |                                | Controller        |
| PC            | -- | Personal counter not installed                       |                                | Controller        |

## 2.Details of trouble codes

| MAIN | SUB |                  |   |
|------|-----|------------------|---|
| C1   | 00  | Content          | MC trouble  |
|      |     | Detail           | Main charger output abnormality (Output open)<br>Trouble signal is outputted from the high voltage transformer.   |
|      |     | Cause            | The main charger is not installed properly.<br>The main charger is not assembled properly.<br>Disconnection of connector of high voltage transformer.<br>High voltage harness disconnection or breakage.  |
|      |     | Check and remedy | Use the diag mode or DIAG to check the main charger output.<br>Check for disconnection of the main charger.<br>Replace the high voltage unit.   |
| E7   | 02  | Content          | Laser trouble   |
|      |     | Detail           | BD signal from LSU is kept OFF, or ON.  |
|      |     | Cause            | The connector of LSU or the harness in LSU is disconnected or broken.<br>The polygon motor does not rotate normally.<br>The laser home position sensor in LSU is shifted.<br>The proper voltage is not supplied to the power line for laser.<br>Laser emitting diode trouble<br>PCU PWB trouble<br>Controller PWB trouble |
|      |     | Check and remedy | Check for disconnection of the LSU connector.<br>Use DIAG (SIM 61-1) to check LSU operation.<br>Check that the polygon motor rotates normally or not.<br>Check light emission of laser emitting diode.<br>Replace the LSU unit.<br>Replace the PCU PWB.<br>Replace the Controller PWB.                                    |

| MAIN | SUB |                  |   |
|------|-----|------------------|---|
| E7   | 03  | Content          | HDD trouble   |
|      |     | Detail           | HDD does not operate properly in the machine with HDD installed.  |
|      |     | Cause            | HDD is not installed properly to the Controller PWB.<br>HDD does not operate properly in the Controller PWB.<br>Controller PWB trouble  |
|      |     | Check and remedy | Check installation of HDD to the Controller PWB.<br>Check connection of the harness of HDD to the Controller PWB.<br>Use DIAG (SIM 62-2, -3) to check read/write of HDD.<br>Replace HDD.<br>Replace Controller PWB. |
|      | 06  | Content          | Decode error trouble  |
|      |     | Detail           | A decode error occurs during making of an image.  |
|      |     | Cause            | Data error during input from PCI to PM.<br>PM trouble<br>Data error during image compression/transfer.<br>Controller PWB abnormality  |
|      |     | Check and remedy | Check insertion of the PWB. (PCI bus)<br>If the error occurred in a FAX job, check installation of the FAX PWB.<br>For the other cases, check the Controller PWB.<br>Replace the Controller PWB.                    |
|      | 50  | Content          | LSU connection trouble  |
|      |     | Detail           | An LSU which does not conform to the machine is installed.  |
|      |     | Cause            | PCU PWB trouble<br>LSU trouble  |
|      |     | Check and remedy | Check LSU PWB. Check PCU PWB.<br>Check connection of the connector and the harness between PCU and LSU.   |
| F1   | 00  | Content          | Finisher (AR-FN6) communication trouble   |
|      |     | Detail           | Communication cable test error after turning on the power or exiting from DIAG.<br>Communication error with the finisher  |
|      |     | Cause            | Improper connection or disconnection of connectors and harness between the machine and the finisher.<br>Finisher control PWB trouble<br>Control PWB (PCU) trouble<br>Malfunction by noises                          |
|      |     | Check and remedy | Canceled by turning OFF/ON the power.<br>Check connectors and harness in the communication line.<br>Replace the finisher control PWB or PCU PWB.  |
|      | 08  | Content          | Finisher (AR-FN6) staple shift motor trouble  |
|      |     | Detail           | Staple motor drive trouble  |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Finisher control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check operations of the staple motor.  |

| MAIN | SUB |                  |   |
|------|-----|------------------|---|
| F1   | 10  | Content          | Finisher (AR-FN6) stapler motor trouble   |
|      |     | Detail           | Stapler motor operation abnormality   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Finisher control PWB trouble                     |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 11  | Content          | Finisher (AR-FN6) bundle exit motor trouble   |
|      |     | Detail           | Bundle exit motor operation abnormality   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Finisher control PWB trouble                     |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 15  | Content          | Finisher (AR-FN6) lift motor trouble  |
|      |     | Detail           | Lift motor operation abnormality  |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Finisher control PWB trouble                     |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 19  | Content          | Finisher (AR-FN6) front alignment motor trouble   |
|      |     | Detail           | Front alignment motor operation abnormality   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Finisher control PWB trouble                     |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 20  | Content          | Finisher (AR-FN6) rear alignment motor trouble  |
|      |     | Detail           | Rear alignment motor operation abnormality  |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Finisher control PWB trouble                     |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 80  | Content          | Finisher (AR-FN6) power abnormality   |
|      |     | Detail           | The 24V power is not supplied to the finisher PWB.  |
|      |     | Cause            | Improper connection or disconnection of connector and harness<br>Finisher control PWB trouble<br>Power unit trouble |
|      |     | Check and remedy | Use DIAG (SIM3-2) to check the sensor.  |
|      | 87  | Content          | Finisher (AR-FN6) staple rotation motor trouble   |
|      |     | Detail           | Front staple rotation motor trouble   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Finisher control PWB trouble                     |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |

| MAIN | SUB |                  |   |
|------|-----|------------------|---|
| F1   | 00  | Content          | Mail-bin stacker (AR-MS1) communication trouble   |
|      |     | Detail           | Communication cable test error after turning on the power or exiting from DIAG. Communication error with the Mail-bin stacker.  |
|      |     | Cause            | Improper connection or disconnection of connector and harness between the machine and the Mail-bin stacker.<br>Mail-bin stacker control PWB trouble<br>Control PWB (PCU) trouble<br>Malfunction by noises |
|      |     | Check and remedy | Canceled by turning OFF/ON the power. Check harness and connector in the communication line. Replace the Mail-bin stacker PWB or PCU PWB.   |
|      | 02  | Content          | Mail-bin stacker (AR-MS1) transport motor abnormality   |
|      |     | Detail           | Transport motor trouble   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Mail-bin stacker control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-21) to check the transport motor operation.  |
|      | 12  | Content          | Mail-bin stacker (AR-MS1) gate trouble  |
|      |     | Detail           | Gate operation abnormality  |
|      |     | Cause            | Gate lock<br>Mail-bin stacker control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-21) to check the transport gate operation.   |
|      | 80  | Content          | Mail-bin stacker (AR-MS1) power abnormality   |
|      |     | Detail           | The 24V power is not supplied to the Mail-bin stacker PWB.  |
|      |     | Cause            | Improper connection or disconnection of connector and harness<br>Mail-bin stacker control PWB trouble<br>Power unit (AR-DC1) trouble  |
|      |     | Check and remedy | Use DIAG (SIM3-20) to check the sensor operation.   |
| F1   | 03  | Content          | Console finisher (AR-FN7) paddle motor trouble  |
|      |     | Detail           | Paddle motor operation abnormality  |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Console finisher control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 06  | Content          | Console finisher (AR-FN7) slide motor trouble   |
|      |     | Detail           | Slide motor operation abnormality   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Console finisher control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |

| MAIN | SUB |                  |   |
|------|-----|------------------|---|
| F1   | 10  | Content          | Console finisher (AR-FN7) stapler motor trouble   |
|      |     | Detail           | Stapler motor operation abnormality   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Console finisher control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 11  | Content          | Console finisher (AR-FN7) bundle exit motor trouble   |
|      |     | Detail           | Bundle exit motor operation abnormality   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Console finisher control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 15  | Content          | Console finisher (AR-FN7) lift motor trouble  |
|      |     | Detail           | Lift motor operation abnormality  |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Console finisher control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 19  | Content          | Console finisher (AR-FN7) front alignment motor trouble   |
|      |     | Detail           | Front alignment motor operation abnormality   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Console finisher control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 20  | Content          | Console finisher (AR-FN7) rear alignment motor trouble  |
|      |     | Detail           | Rear alignment motor operation abnormality  |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Console finisher control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 30  | Content          | Console finisher (AR-FN7) communication trouble   |
|      |     | Detail           | Communication cable test error after turning on the power or exiting from DIAG. Communication error with the console finisher   |
|      |     | Cause            | Improper connection or disconnection of connector and harness between the machine and the console finisher.<br>Console finisher control PWB trouble<br>Control PWB (PCU) trouble<br>Malfunction by noises |
|      |     | Check and remedy | Canceled by turning OFF/ON the power. Check connectors and harness in the communication line. Replace the console finisher control PWB or PCU PWB.  |

| MAIN | SUB |                  |   |
|------|-----|------------------|---|
| F1   | 31  | Content          | Console finisher (AR-FN7)<br>fold sensor trouble  |
|      |     | Detail           | Sensor input value abnormality  |
|      |     | Cause            | Sensor breakage<br>harness breakage<br>Console finisher control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-2) to check the sensor operation.  |
|      | 32  | Content          | Communication trouble between the console finisher (AR-FN7) and the punch unit (AR-PN1).  |
|      |     | Detail           | Communication err between the console finisher and the punch unit.  |
|      |     | Cause            | Improper connection or disconnection of connector and harness between the console finisher and the punch unit.<br>Console finisher control PWB trouble<br>Control PWB (PCU) trouble<br>Malfunction by noise |
|      |     | Check and remedy | Canceled by turning OFF/ON the power.<br>Check connectors and harness in the communication line.<br>Replace the console finisher control PWB.   |
|      | 33  | Content          | Console finisher (AR-FN7)<br>punch (AR-PN1) side registration motor trouble   |
|      |     | Detail           | Punch side registration motor operation abnormality   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Console finisher control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 34  | Content          | Console finisher (AR-FN7)<br>punch (AR-PN1) motor trouble   |
|      |     | Detail           | Punch motor operation abnormality   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Console finisher control PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.   |
|      | 35  | Content          | Console finisher (AR-FN7)<br>punch (AR-PN1) side registration sensor trouble  |
|      |     | Detail           | Sensor input value abnormality  |
|      |     | Cause            | Sensor breakage<br>Harness disconnection<br>Console finisher control PWB trouble  |
|      |     | Check and remedy | Use DIAG (SIM3-2) to check the sensor operation.  |
|      | 36  | Content          | Console finisher (AR-FN7)<br>punch (AR-PN1) timing sensor trouble   |
|      |     | Detail           | Sensor input value abnormality  |
|      |     | Cause            | Sensor breakage<br>Harness disconnection<br>Console finisher control PWB trouble  |
|      |     | Check and remedy | Use DIAG (SIM3-2) to check the sensor operation.  |

| MAIN | SUB |                  |  |
|------|-----|------------------|--|
| F1   | 37  | Content          | Console finisher (AR-FN7)<br>backup RAM trouble  |
|      |     | Detail           | Backup RAM contents are disturbed.   |
|      |     | Cause            | Console finisher control PWB trouble<br>Malfunction by noise   |
|      |     | Check and remedy | Replace the console finisher control PWB.  |
|      | 38  | Content          | Console finisher (AR-FN7)<br>punch (AR-PN1) backup RAM trouble   |
|      |     | Detail           | Punch unit backup RAM contents are disturbed.  |
|      |     | Cause            | Punch control PWB trouble<br>Malfunction by noise  |
|      |     | Check and remedy | Replace the punch control PWB.   |
|      | 81  | Content          | Console finisher transport motor abnormality   |
|      |     | Detail           | Transport motor trouble  |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Console finisher control PWB trouble  |
|      |     | Check and remedy | Use DIAG (SIM3-3) to check the motor operation.  |
| F2   | 00  | Content          | Toner control sensor abnormality   |
|      |     | Detail           | Toner control sensor output open   |
|      |     | Cause            | Connector harness trouble<br>Connector disconnection   |
|      |     | Check and remedy | Check connection of the toner control sensor.<br>Check connection of connector and harness to the main PWB.<br>Check for disconnection of harness.   |
|      | 02  | Content          | Toner supply abnormality   |
|      |     | Detail           | Toner control sensor output value becomes under-toner too earlier.   |
|      |     | Cause            | Connector harness trouble<br>Toner control sensor trouble<br>The toner cartridge seal is not removed   |
|      |     | Check and remedy | Check connection of the connector in the toner motor section.<br>Check connection of connector and harness to the main PWB.<br>Check for disconnection of harness.<br>Toner control sensor output check DIAG (SIM25-1)<br>Remove the toner cartridge seal. |
|      | 04  | Content          | Improper cartridge (life cycle error, etc.)  |
|      |     | Detail           | An improper process cartridge is inserted.   |
|      |     | Cause            | IC chip trouble<br>Improper cartridge  |
|      |     | Check and remedy | Insert a proper cartridge.   |
|      | 05  | Content          | CRUM error   |
|      |     | Detail           | Communication with IC chip cannot be made.   |
|      |     | Cause            | IC chip trouble<br>Improper cartridge  |
|      |     | Check and remedy | Insert a proper cartridge.   |

| MAIN | SUB                        |                  |  |
|------|----------------------------|------------------|--|
| F2   | 39                         | Content          | Process thermistor trouble   |
|      |                            | Detail           | Process thermistor open  |
|      |                            | Cause            | Process thermistor trouble<br>Process thermistor harness disconnection<br>PCU PWB trouble  |
|      |                            | Check and remedy | Check connection of harness and connector of the process thermistor.<br>Check PCU PWB.   |
| F3   | 12                         | Content          | Machine no. 1 tray lift-up trouble   |
|      |                            | Detail           | PED does not turn ON in the specified time.<br>LUD does not turn ON in the specified time.   |
|      |                            | Cause            | PED/LUD trouble<br>No. 1 tray lift-up trouble<br>Check connection of harness between the PCU PWB, lift-up unit, and paper feed unit.   |
|      |                            | Check and remedy | Check PED, LUD, and their harness and connectors.<br>Check the lift-up unit.   |
|      | 22                         | Content          | Multi purpose tray lift-up trouble   |
|      |                            | Detail           | MCPED does not turn ON in the specified time.<br>MCLUD does not turn ON in the specified time.   |
|      |                            | Cause            | MCPED/MCLUD trouble<br>Multi purpose tray lift-up motor trouble<br>Harness disconnection f the PCU PWB, the lift-up unit, and the paper feed unit.   |
|      |                            | Check and remedy | Check MCPED, PCLUD, and their harness and connectors.<br>Check the lift-up unit.   |
| H2   | 00...<br>HL1<br>(RT<br>H1) | Content          | thermistor open<br>Fusing unit not installed   |
|      |                            | Detail           | Thermistor is open.<br>(An input voltage of 2.92V or above is detected.)<br>Fusing unit not installed  |
|      | 01...<br>HL2<br>(RT<br>H2) | Cause            | Thermistor trouble<br>Control PWB trouble<br>Fusing section connector disconnection<br>AC power trouble<br>Fusing unit not installed   |
|      |                            | Check and remedy | Check harnesses and connectors from the thermistor to the control PWB.<br>Use DIAG (SIM14) to clear the self diag display.   |
| H3   | 00...<br>HL1<br>(RT<br>H1) | Content          | Fusing section high temperature trouble  |
|      |                            | Detail           | The fusing temperature exceeds 242°C.<br>(An input voltage of 0.27V or above is detected.)   |
|      | 01...<br>HL2<br>(RT<br>H2) | Cause            | thermistor trouble<br>Control PWB trouble<br>Fusing section connector disconnection<br>AC power trouble  |
|      |                            | Check and remedy | Use DIAG (SIM5-2) to check the heater lamp <b>Blinking operation.</b><br>If the heater lamp blinks normally:<br>Check the thermistor and its harness.<br>Check the thermistor input circuit in the control PWB.<br><b>If the heater lamp keep lighting:</b><br>Check the AC PWB and the lamp control circuit in the control PWB.<br>Use DIAG (SIM14) to cancel the trouble |

| MAIN | SUB                        |                  |  |
|------|----------------------------|------------------|--|
| H4   | 00...<br>HL1<br>(RT<br>H1) | Content          | Fusing section low temperature trouble   |
|      |                            | Detail           | •The set temperature is not reached within the specified time (normally 3 min) when warming up or resetting from pre-heating.<br>•Under the ready state.<br>(An input voltage of 1.21V or below is detected 5 times continuously.)   |
|      | 01...<br>HL2<br>(RT<br>H2) | Cause            | thermistor trouble<br>Heater lamp trouble<br>Control PWB trouble<br>Thermostat trouble<br>AC power trouble<br>Interlock switch trouble   |
|      |                            | Check and remedy | Use DIAG (SIM5-2) to check the heater lamp <b>Blinking operation.</b><br>If the heater lamp blinks normally:<br>Check the thermistor and its harness.<br>Check the thermistor input circuit in the control PWB.<br><b>If the heater lamp does not light:</b><br>Check for heater lamp disconnection and thermostat disconnection.<br>Check the interlock switch.<br>Check the AC PWB and the lamp control circuit in the control PWB.<br>Use DIAG (SIM14) to cancel the trouble. |
| H5   | 01                         | Content          | 5-time continuous POD1 not-reaching jam detection  |
|      |                            | Detail           | 5-time continuous POD1 not-reaching jam detection  |
|      |                            | Cause            | A fusing section jam is not properly removed.<br>(Jam paper remains.)<br>POD1 sensor trouble, or harness disconnection<br>Improper installation of fusing unit   |
|      |                            | Check and remedy | Check jam paper in the fusing section.<br>(winding, etc.)<br>Check POD1 sensor harness, and check installation the fusing unit.<br>Use DIAG (SIM14) to cancel the trouble.   |
| L4   | 01                         | Content          | Main motor lock detection  |
|      |                            | Detail           | The motor lock signal is detected for 1.5sec during rotation of the main motor.  |
|      |                            | Cause            | main motor trouble<br>Check connection of harness between the PCU PWB and the main motor.<br>Control circuit trouble   |
|      | 02                         | Check and remedy | Use DIAG (SIM25-1) to check the main motor operation.<br>Check harness and connector between the PCU PWB and the main motor.   |
|      |                            | Content          | Drum motor lock detection  |
|      |                            | Detail           | The motor lock signal is detected for 1.5sec during rotation of the drum motor.  |
|      |                            | Cause            | Drum motor trouble<br>Improper connection of harness between the PCU PWB and the drum motor.<br>Control circuit trouble  |
|      |                            | Check and remedy | Use DIAG (SIM25-1) to check the drum motor operation.<br>Check harness and connector between the PCU PWB and the drum motor.   |



| MAIN | SUB |                  |  |
|------|-----|------------------|--|
| L6   | 10  | Content          | Polygon motor lock detection   |
|      |     | Detail           | It is judged that the polygon motor lock signal is not outputted.<br>Lock signal is checked in the interval of 10sec after starting the polygon motor, and it is judged that the polygon motor does not rotate normally. |
|      |     | Cause            | The LSU connector or harness in the LSU is disconnected or broken.<br>Polygon motor trouble  |
|      |     | Check and remedy | Use DIAG (SIM61-1) to check the polygon motor operation.<br>Check connector and harness connection.<br>Replace LSU.  |
| L8   | 01  | Content          | No fullwave signal   |
|      |     | Detail           | Full wave signal is not detected.  |
|      |     | Cause            | The PCU PWB connector or the power unit harness is disconnected or broken.<br>PCU PWB trouble<br>Power unit trouble  |
|      |     | Check and remedy | Check connection of the harness and connector.<br>Replace PCU PWB.<br>Replace the power unit.  |
|      | 02  | Content          | Full wave signal width abnormality   |
|      |     | Detail           | It is judged as frequency abnormality of full wave signal.<br>(When the detection cycle is judged as 69Hz or above or 42.5Hz or below)   |
|      |     | Cause            | The connector or harness of the PCU PWB and the power PWB is disconnected.<br>PCU PWB trouble<br>Power unit trouble  |
|      |     | Check and remedy | Check connection of the harness and connector.<br>Replace the PCU PWB.<br>Replace the power unit.  |
| U6   | 00  | Content          | Desk/LCC communication trouble   |
|      |     | Detail           | Desk/LCC communication error<br>Communication cable test error after turning on the power or exiting DIAG.   |
|      |     | Cause            | Improper connection or disconnection of connector and harness<br>Desk control PWB trouble<br>Control PWB (PCU) trouble<br>Malfunction by noise   |
|      |     | Check and remedy | Canceled by turning OFF/ON the power.<br>Check connection of the harness and connector in the communication line.  |
|      | 01  | Content          | Desk/LCC No. 1 tray lift-up trouble  |
|      |     | Detail           | Desk/LCC No. 1 tray lift-up trouble  |
|      |     | Cause            | Sensor trouble<br>Desk control PWB trouble<br>Gear breakage<br>Lift-up motor trouble   |
|      |     | Check and remedy | Use DIAG (SIM4-2) to check the lift-up sensor detection.<br>Use DIAG (SIM4-3) to check the lift-up motor operation.  |

| MAIN | SUB |                  |  |
|------|-----|------------------|--|
| U6   | 02  | Content          | Desk No. 2 tray/LCC1 lift-up trouble   |
|      |     | Detail           | Desk No. 2 tray/LCC lift-up trouble  |
|      |     | Cause            | Sensor trouble<br>Desk control PWB trouble<br>Gear breakage<br>Lift-up motor trouble   |
|      |     | Check and remedy | Use DIAG (SIM4-2) to check the lift-up sensor detection.<br>Use DIAG (SIM4-3) to check the lift-up motor operation.  |
|      | 03  | Content          | Desk No. 3 tray/LCC2 lift-up trouble   |
|      |     | Detail           | Desk no. 3 tray lift-up trouble  |
|      |     | Cause            | Sensor trouble<br>Desk control PWB trouble<br>Gear breakage<br>Lift-up motor trouble   |
|      |     | Check and remedy | Use DIAG (SIM4-2) to check the lift-up sensor detection.<br>Use DIAG (SIM4-3) to check the lift-up motor operation.  |
|      | 10  | Content          | Desk/LCC transport motor trouble   |
|      |     | Detail           | Desk/LCC transport motor operation trouble   |
|      |     | Cause            | Motor lock<br>Motor rpm abnormality<br>Overcurrent to the motor<br>Desk control PWB trouble  |
|      |     | Check and remedy | Use DIAG (SIM4-3) to check the transport motor operation.  |
| EE   | EL  | Content          | Auto developer adjustment trouble (Over-toner)   |
|      |     | Detail           | The sample data is of 68 or below when auto developer adjustment is performed.   |
|      |     | Cause            | Toner concentration sensor trouble<br>Charging voltage, developing voltage abnormality<br>Insufficient toner concentration<br>Developing unit trouble<br>PCU PWB trouble |
|      |     | Check and remedy | Use DIAG (SIM25-2) to perform auto developer adjustment.   |
|      | EU  | Content          | Auto developer adjustment trouble (Under-toner)  |
|      |     | Detail           | The sample data is of 168 or above when auto developer adjustment is performed.  |
|      |     | Cause            | Insufficient toner concentration<br>Charging voltage, developing voltage abnormality<br>Insufficient toner concentration<br>Developing unit trouble<br>PCU PWB trouble   |
|      |     | Check and remedy | Use DIAG (SIM25-2) to perform auto developer adjustment.   |
| F9   | 02  | Content          | PRT Centro port check error  |
|      |     | Detail           | Controller Centro port trouble   |
|      |     | Cause            | Centro port trouble<br>Controller PWB trouble  |
|      |     | Check and remedy | Replace the Controller PWB.  |
|      | 03  | Content          | NIC port check error   |
|      |     | Detail           | NIC port check error   |
|      |     | Cause            | NIC port trouble<br>NIC PWB trouble<br>Controller PWB trouble  |
|      |     | Check and remedy | Replace the NIC PWB.<br>Replace the Controller PWB.  |

| MAIN | SUB |                  |  |
|------|-----|------------------|--|
| U1   | 01  | Content          | Battery abnormality  |
|      |     | Detail           | Backup SRAM battery voltage fall   |
|      |     | Cause            | Battery life<br>Battery circuit abnormality  |
|      |     | Check and remedy | Check that the battery voltage is about 2.5V or above.<br>Check the battery circuit.   |
| U2   | 00  | Content          | EEPROM read/write error (Controller)   |
|      |     | Detail           | EEPROM write error   |
|      |     | Cause            | EEPROM trouble<br>EEPROM is not initialized.<br>Controller PWB EEPROM access circuit trouble   |
|      |     | Check and remedy | Check that EEPROM is properly inserted.<br>Save the counter/adjustment values with the DIAG simulation.<br>Use DIAG (SIM16) to cancel U2 trouble.<br>Replace the Controller PWB. |
|      | 11  | Content          | Counter check sum error (Controller)   |
|      |     | Detail           | Counter data area check sum error  |
|      |     | Cause            | EEPROM trouble<br>Control circuit trouble by noise<br>Controller PWB EEPROM access circuit trouble   |
|      |     | Check and remedy | Check that EEPROM is properly inserted.<br>Save the counter/adjustment values with the DIAG simulation.<br>Use DIAG (SIM16) to cancel U2 trouble.<br>Replace the Controller PWB. |
|      | 12  | Content          | Adjustment value check sum error (Controller)  |
|      |     | Detail           | Adjustment data area check sum error   |
|      |     | Cause            | EEPROM trouble<br>Control circuit trouble by noise<br>Controller PWB EEPROM access circuit trouble   |
|      |     | Check and remedy | Check that EEPROM is properly inserted.<br>Save the counter/adjustment values with the DIAG simulation.<br>Use DIAG (SIM16) to cancel U2 trouble.<br>Replace the Controller PWB. |
|      | 90  | Content          | EEPROM read/write error (PCU)  |
|      |     | Detail           | PCU EEPROM write error   |
|      |     | Cause            | EEPROM trouble<br>EEPROM is not initialized.<br>PCU PWB EEPROM access circuit trouble  |
|      |     | Check and remedy | Check that EEPROM is properly inserted.<br>Save the counter/adjustment values with the DIAG simulation.<br>Use DIAG (SIM16) to cancel U2 trouble.<br>Replace the Controller PWB. |
|      | 91  | Content          | Memory check sum error (PCU)   |
|      |     | Detail           | PCU memory check sum error   |
|      |     | Cause            | EEPROM trouble<br>EEPROM is not initialized.<br>PCU PWB EEPROM access circuit trouble<br>Uninitialized E2PROM installed.   |
|      |     | Check and remedy | Check that EEPROM is properly inserted.<br>Save the counter/adjustment values with the DIAG simulation.<br>Use DIAG (SIM16) to cancel U2 trouble.<br>Replace the Controller PWB. |

| MAIN | SUB |                  |   |
|------|-----|------------------|---|
| U7   | 00  | Content          | RIC communication trouble   |
|      |     | Detail           | RIC communication trouble<br>Communication cable test error after turning on the power or exiting DIAG.                       |
|      |     | Cause            | Disconnection of connector and harness<br>RTC control PWB trouble<br>Control PWB (Controller) trouble<br>Malfunction by noise |
|      |     | Check and remedy | Canceled by turning OFF/ON the power.<br>Check connector and harness in the communication line.                               |
| PF   | 00  | Content          | RIC copy inhibit signal is received.  |
|      |     | Detail           | Copy inhibit command from RIM (host) is received.   |
|      |     | Cause            | Judged by the host.   |
|      |     | Check and remedy | Inform to the host.   |

### 3.Halt of operation in trouble

#### A. Troubles where the machine can be operated depending on the conditions (Include Multi Function)

| Trouble  | Judgment block  | Trouble code     | Operation-possible mode        |          |            |           |       |            |
|--|-----------------|------------------|--------------------------------|----------|------------|-----------|-------|------------|
|  |                 |                  | Copy read (interruption, etc.) | FAX send | Email send | FAX print | Print | List print |
| (SPF trouble)  | SCANNER         | U5               | △ 1                            | △ 1      | △ 1        | O         | O     | O          |
| Scanner section troubles (Mirror motor, lens, copy lamp) | SCANNER         | L1,L3,U2 (80,81) | X                              | X        | X          | O         | O     | O          |
| (AE trouble)   | -               | L9               | △ 2                            | △ 2      | △ 2        | O         | O     | O          |
| (ADU trouble)  | PCU             | U4               | △ 3                            | O        | O          | △ 3       | △ 3   | △ 3        |
| FAX board trouble  | Controller/ FAX | F6,F7            | O                              | X        | O          | X         | O     | O          |
| FAX power OFF  | Controller      |                  | O                              | X        | O          | X         | O     | O          |
| Staple trouble   | PCU             | F1(10)           | △ 4                            | O        | O          | △ 4       | △ 4   | △ 4        |
| Paper feed tray trouble                                  | PCU             | F3, U6 (Desk)    | △ 5                            | O        | O          | △ 5       | △ 5   | △ 5        |
| (Process control trouble)                                | PCU             |                  | △ 6                            | O        | O          | △ 6       | △ 6   | △ 6        |
| PCU section troubles (Motor, fusing, etc.)               | PCU             |                  | X                              | O        | O          | X         | X     | X          |
| After-work trouble                                       | PCU             |                  | △ 9                            | O        | O          | △ 9       | △ 9   | △ 9        |
| Laser trouble  | PCU             | E7 (02 only), L6 | X                              | O        | O          | X         | X     | X          |
| HDD trouble  | Controller      | E7 (03)          | X                              | X        | X          | X         | X     | X          |
| CCD troubles (Shading, etc.)                             | SCANNER         | E7 (10, 11, 13)  | X                              | X        | X          | O         | O     | O          |
| Scanner communication trouble                            | Controller      | E7 (80)          | X                              | X        | X          | O         | O     | O          |
| PCU communication trouble                                | Controller      | E7 (90)          | X                              | O        | O          | X         | X     | X          |
| Printer port trouble                                     | Controller      | F9               | O                              | O        | △ 11       | O         | △ 11  | O          |
| Backup battery voltage fall                              | Controller      | U1 (01)          | O                              | X        | X          | O         | O     | O          |
| Memory trouble (Expansion RAM not installed, etc.)       | Controller      | U2 (00, 11, 12)  | X                              | X        | X          | X         | X     | X          |
| External communication invalid (RIC)                     | Controller      | U7, PF           | X                              | X        | X          | X         | X     | X          |
| Image memory trouble, decode error                       | Controller      | E7(01, 06)       | X                              | X        | X          | X         | X     | X          |

O : Operation possible      X : Operation impossible      △ : Operation possible depending on conditions

- △ 1 :Operation possible in the OC mode
- △ 2 :Operation possible in the manual mode
- △ 3 :Single mode only
- △ 4 :Operation possible except for the staple mode
- △ 5 :Operation possible except for the trouble tray
- △ 6 :Operation possible if the image can be limited
- △ 8 :Original/list print possible after reception
- △ 9 :Operation possible except for the trouble paper exit section
- △ 10 :Operation possible by use of memory only
- △ 11 :Operation possible if the used port (NIC, Centro) is normal

#### B. Trouble mode process

|  |  |
|--|--|
| Machine operation possible depending on conditions | Operations except for the trouble mode are possible (READY).<br>For the mode where operations are impossible, only setup can be allowed, and the message is provided to show that operations are impossible. (NOT READY in this case.)<br><b>(Display)</b><br>A dialog is shown in case of a trouble. For the mode where operations are possible, the OK button is added to the message. For the mode where operations are impossible, the OK button is not shown, and the process to cancel is indicated. |
| Machine operation is impossible                    | The trouble display is always shown, and all setup operations are invalid.   |

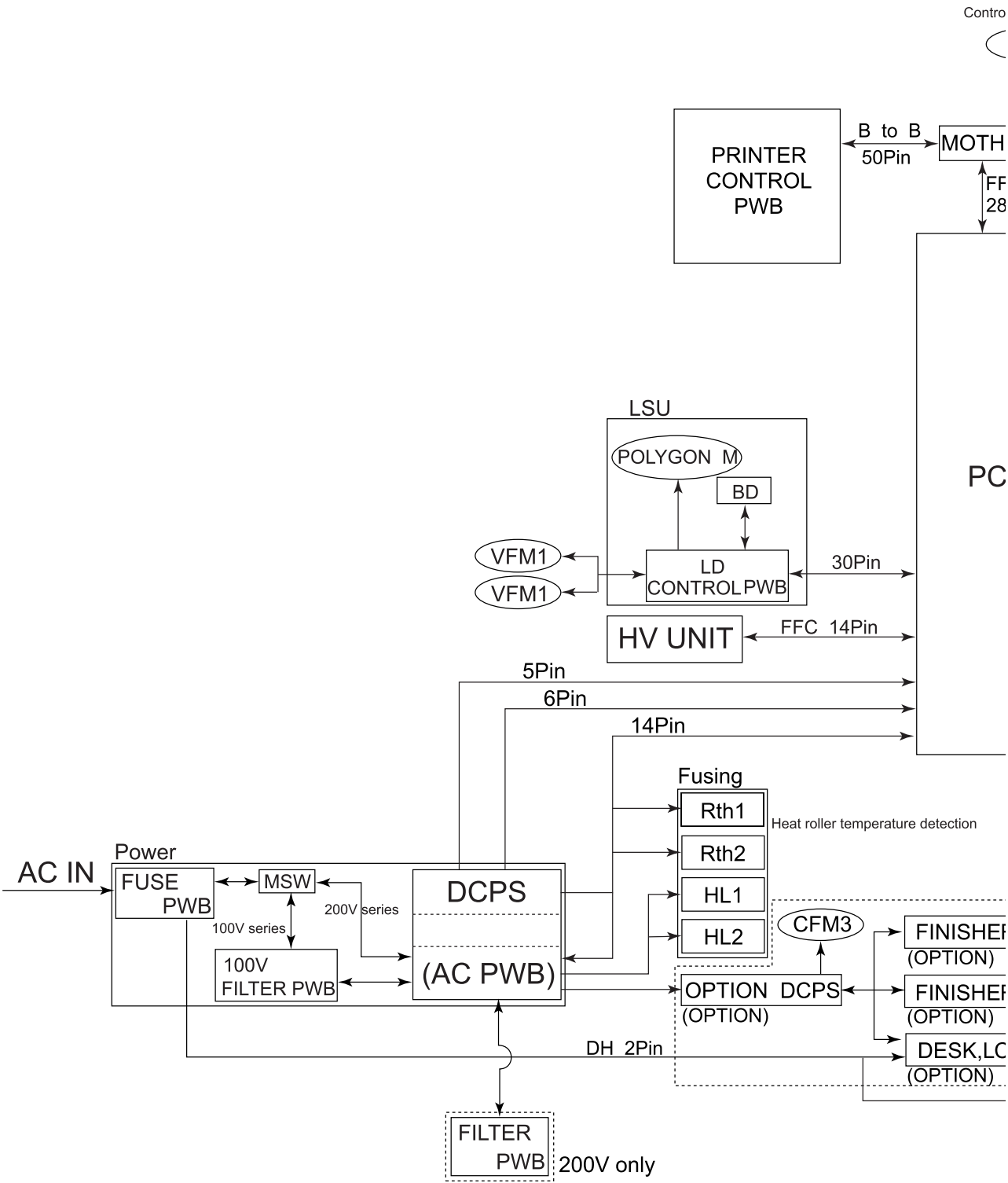
#### C. Writing to the trouble memory

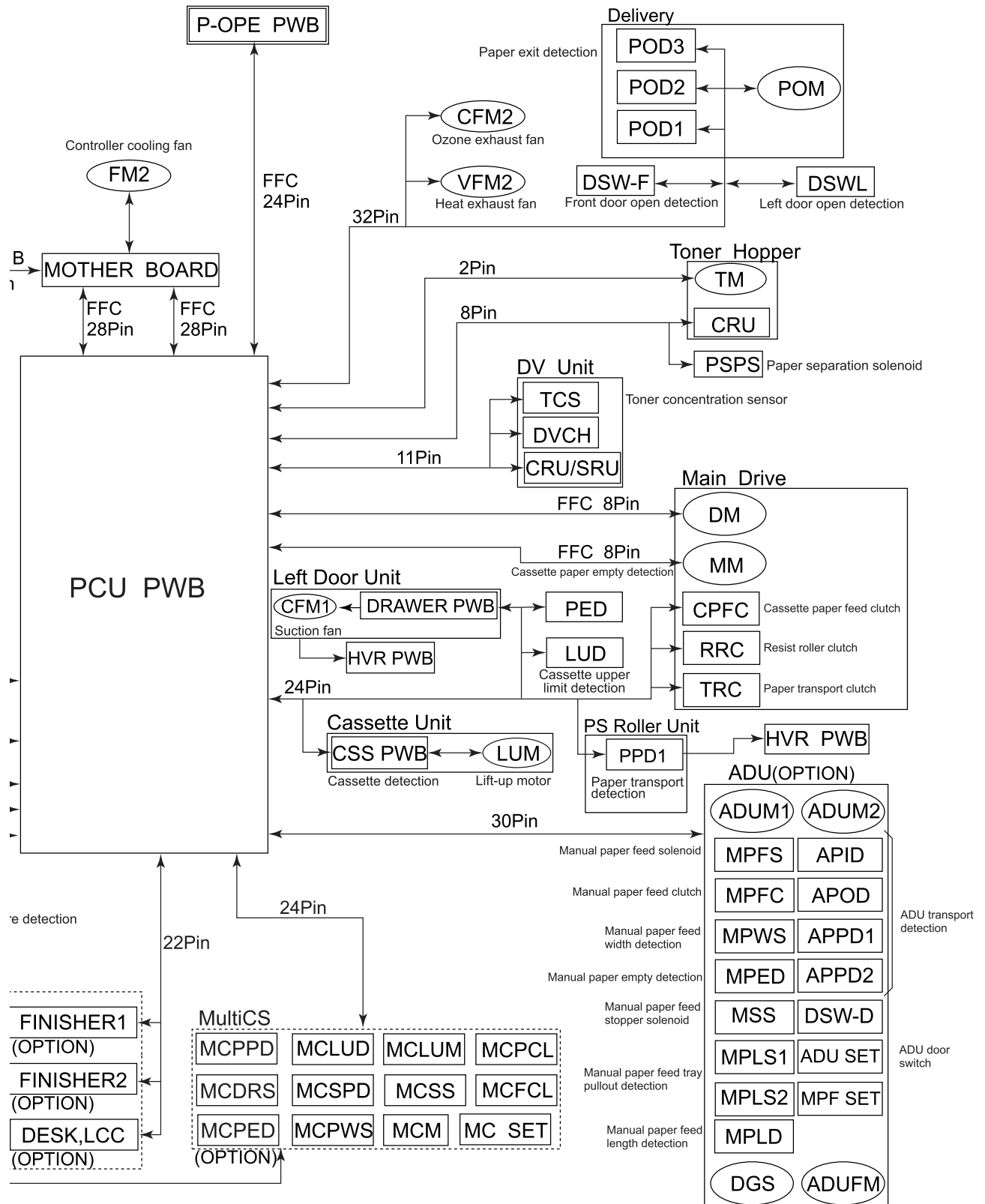
In this series, the simulation (diag) allows to select whether the same trouble is written to the trouble memory when it occurs. If the DIAG simulation is set as above, when any trouble occurs, its hysteresis is written to the trouble memory. DIAG(SIM 26-35)

- 0: The same trouble as the previous one is not recorded. (Default)
- 1: When a trouble occurs, it is written to the trouble memory without exception.

[12] ELECTRICAL SECTION

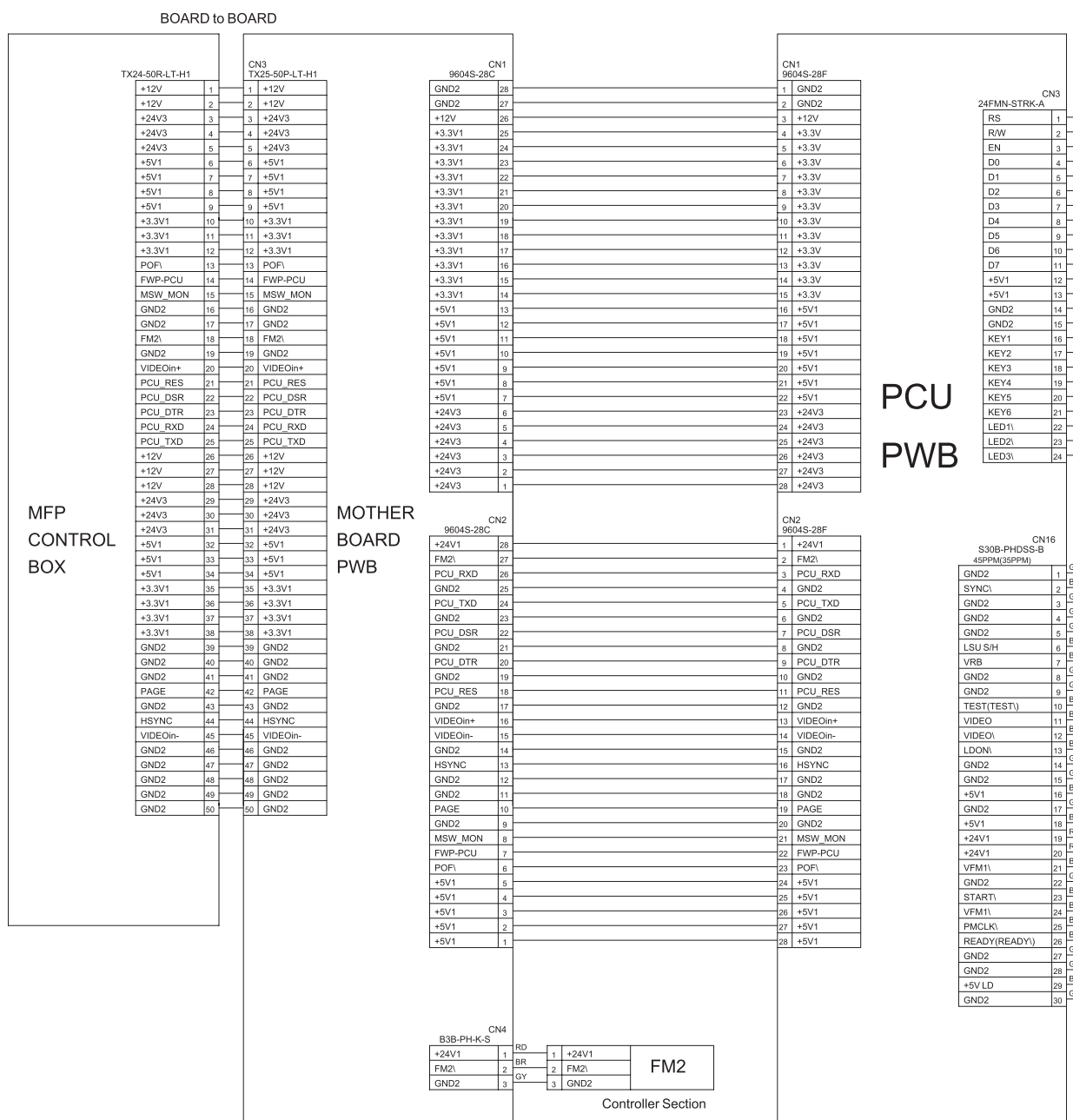
1. Printer model Block diagram

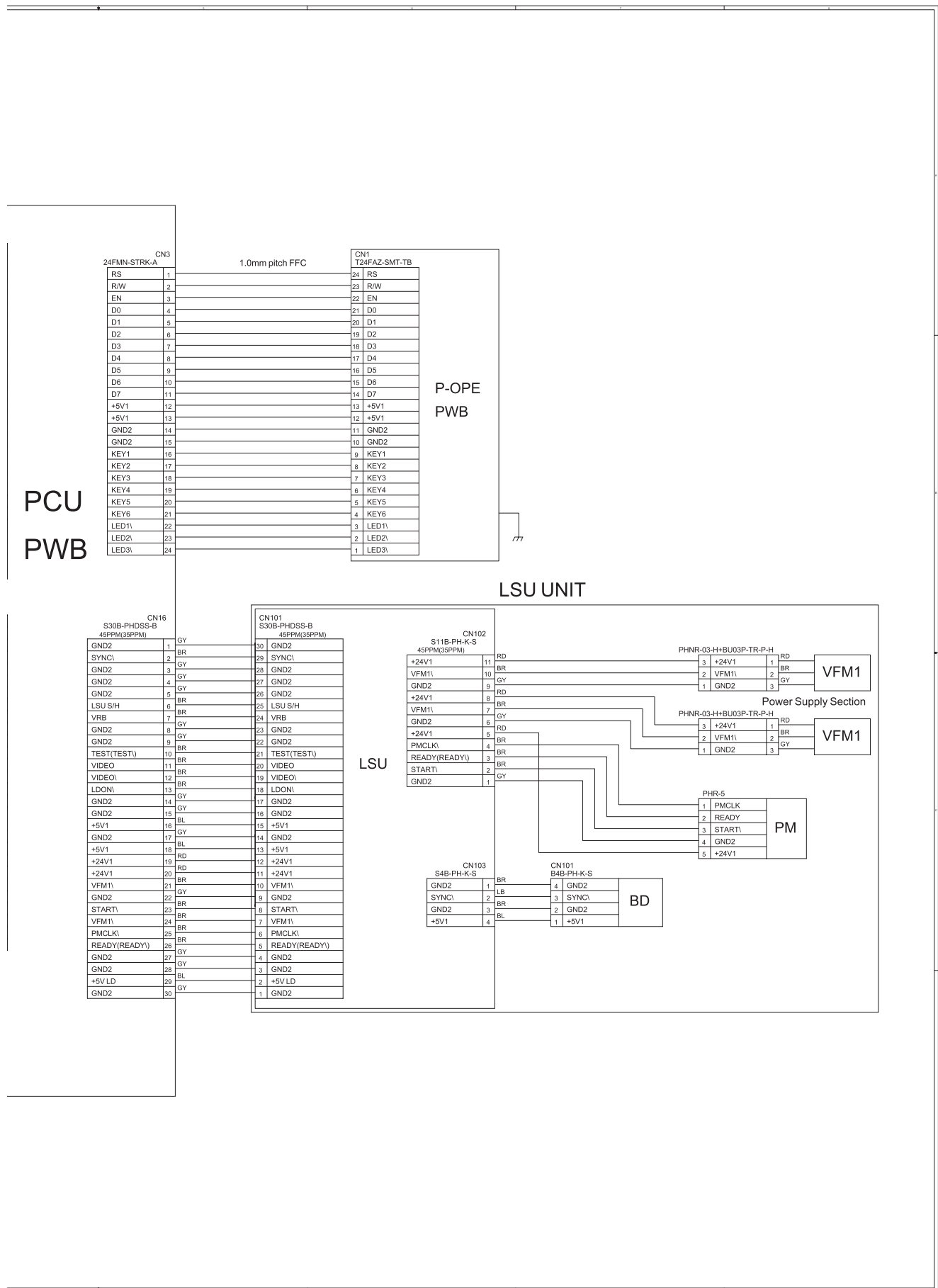




## 2. Wiring Diagram

# Tiger Wiring Diagram ENGINE1

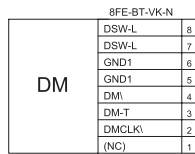




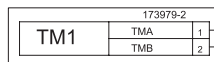


# Tiger Wiring Diagram ENGINE2

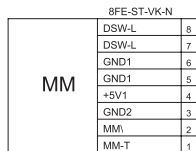
MAIN  
DRIVE



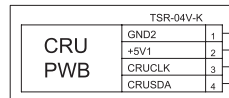
TONER HOPPER



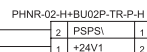
MAIN  
DRIVE



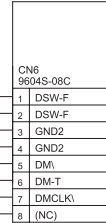
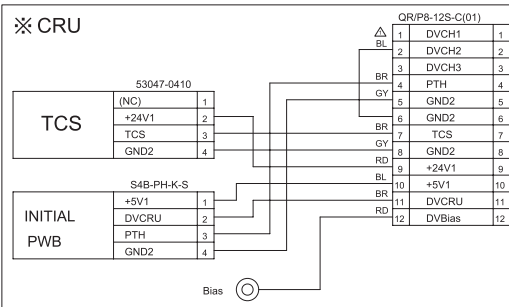
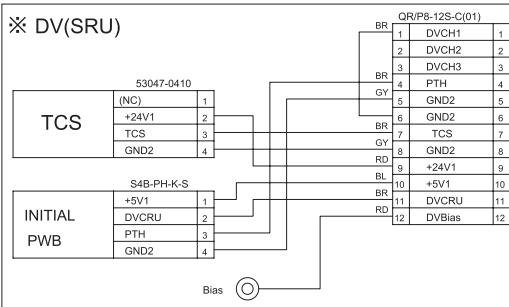
TONER HOPPER



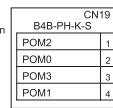
PSPS



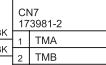
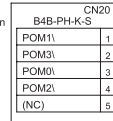
DEVELOPER UNIT



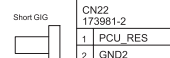
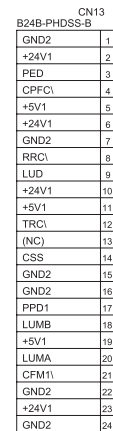
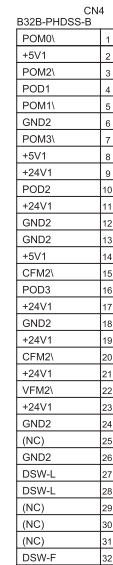
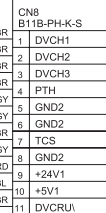
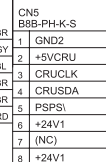
not installed  
mass production

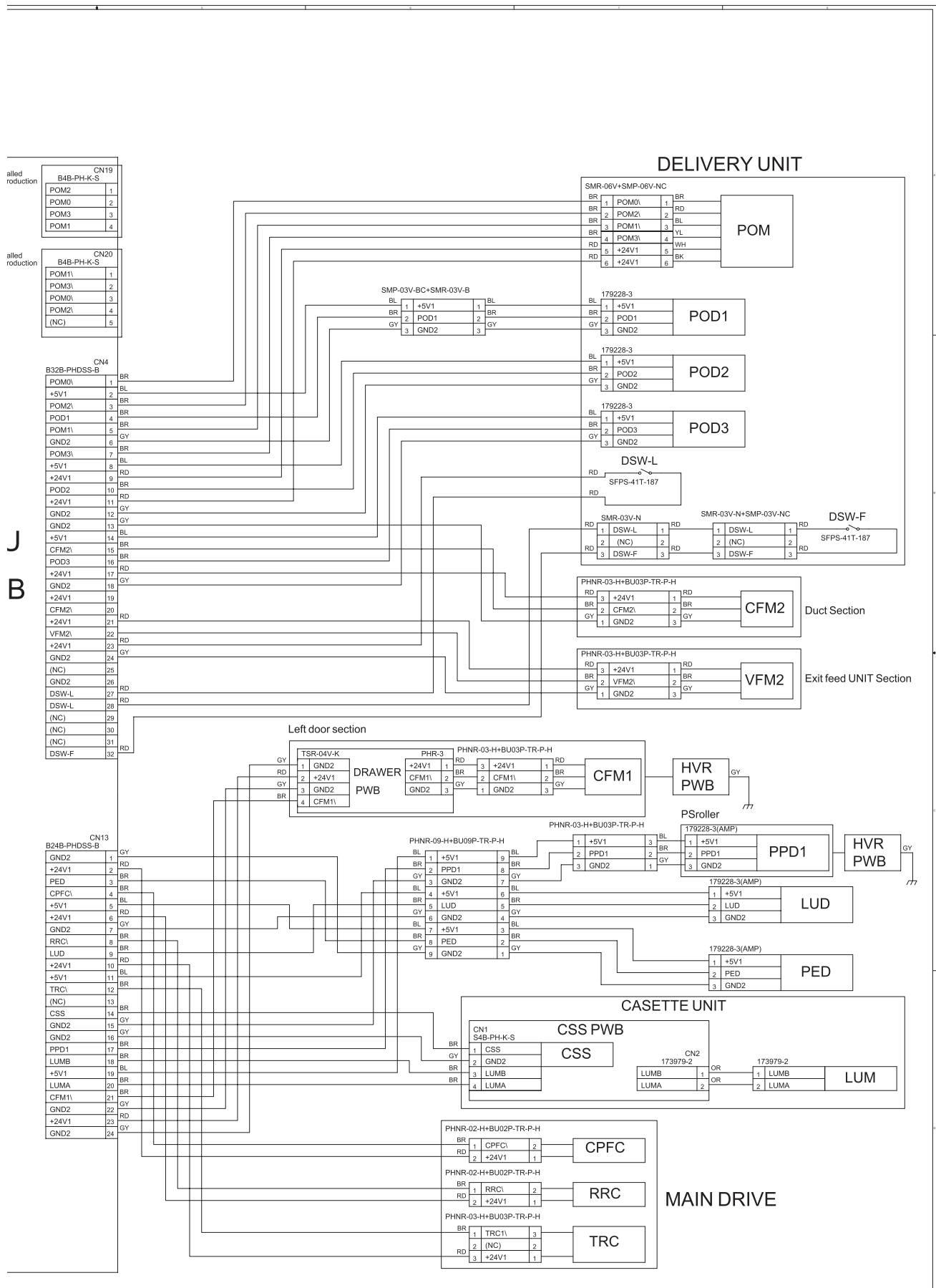


not installed  
mass production

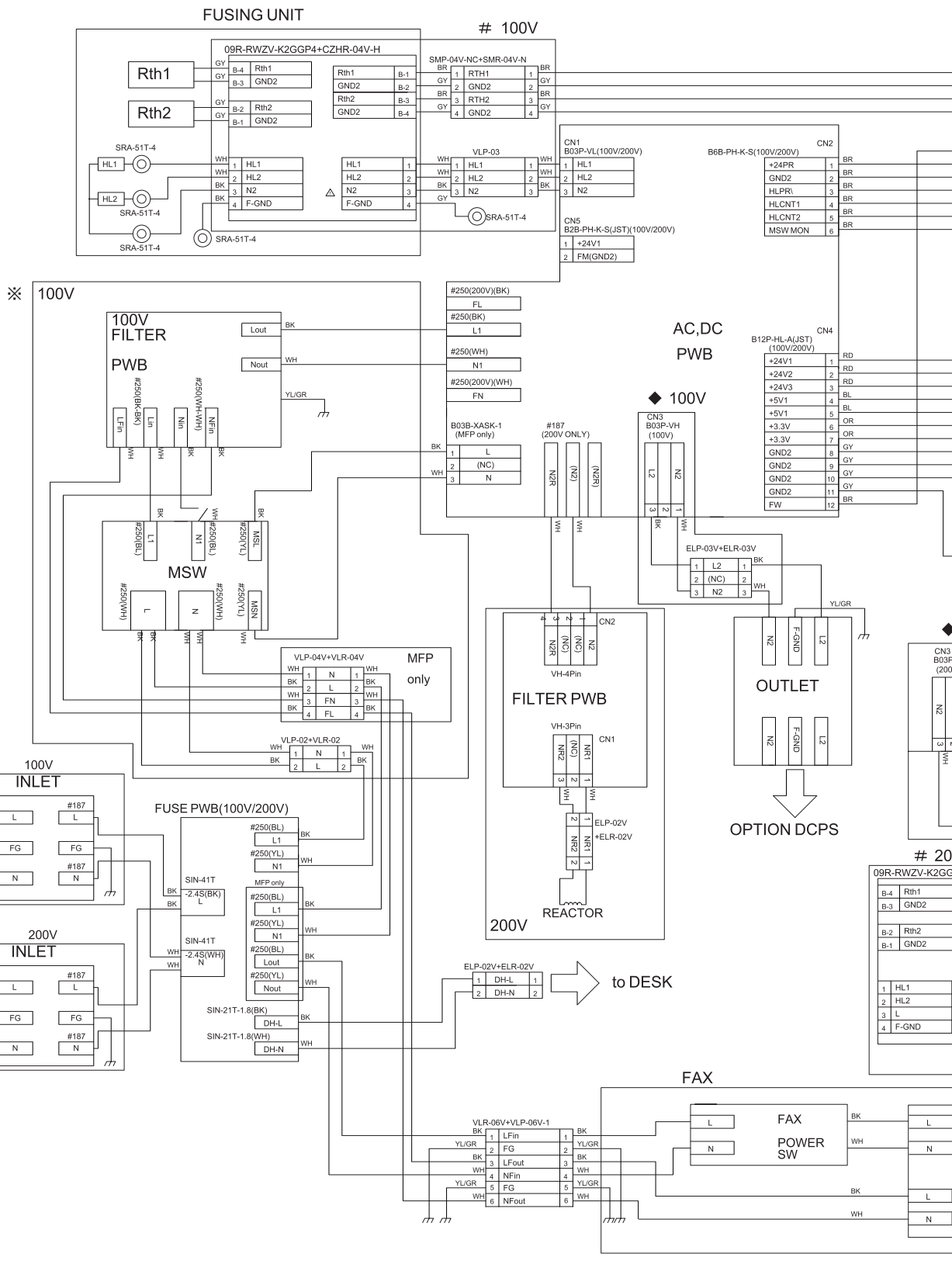


PCU  
PWB





## Wiring Diagram ENGINE3





Wiring Diagram ENGINE4

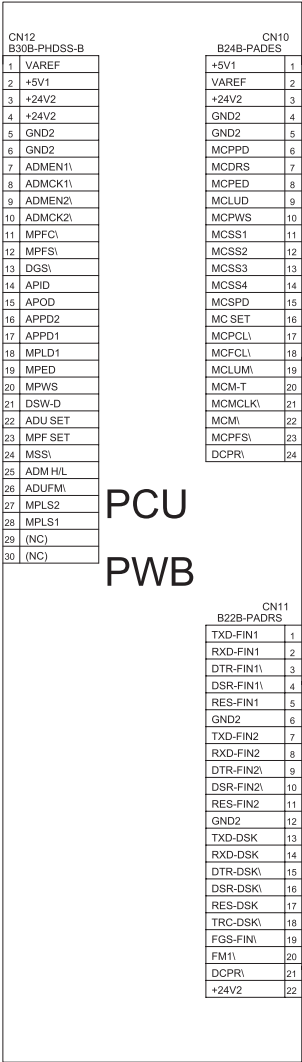
ADU



MULTICS



OPTION



## [13] OTHERS

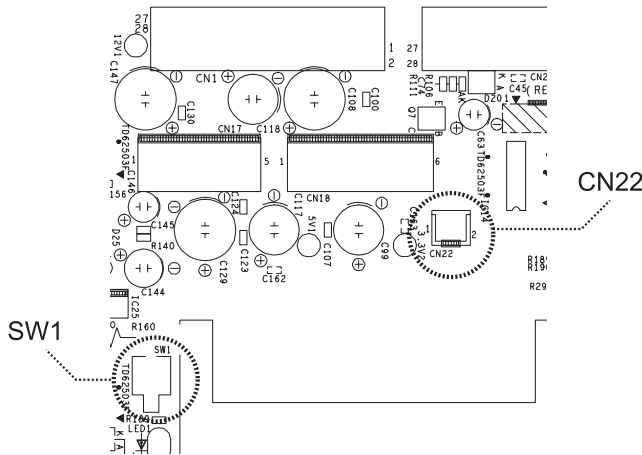
### 1. PCU self print

This mode is used to print by using only the PCU data and the firmware without using the printer controller.

It is mainly used for separate the PCU and the controller trouble.

#### A. Execution procedure

- 1) Remove the printer controller, and remove the rear cabinet.
- 2) Short CN22 of the PCU PWB.
- 3) While pressing MENU key and OK key together, turn on the power.
- \* When the power is turned on, the PCU is reset by pushing the push switch side of the PWB, and the same operations are performed. Press MENU key and OK key together.



- 4) The machine is operated in the diag mode.
- 5) Press MENU key to select the self-print mode.
- 6) Set the self-print pattern to 1 - 40, and execute the operation.
- \* Self-print patterns 1 - 40 are formed in the PCU. Do not set to other than them.

### 2. Flash Rom version up procedure

#### A. The following items are required for version up of the flash ROM:

1. Machine body
2. PC (operating on MS-DOS mode)
3. Printer cable (Parallel)
4. Firmware for version up (XXXX.SFU file)
5. Firmware transfer software (FCOPY.EXE)
6. Flash ROM for written PCU (When PCU version is upgraded)
7. MFP controller Flash Rom (Boot-ROM)

#### B. Version up procedure

- 1) Turn off the power.
- 2) Pull out the controller PWB.
- 3) Switch the jumper wires shown in Fig. 1.

##### •In the case of printer control PWB

|      |      |          |
|------|------|----------|
| JP-2 | VCCW | L → H    |
| JP-4 | DIAG | OFF → ON |

##### •In the case of MFP control PWB

|      |      |          |
|------|------|----------|
| JP-2 | VCCW | L → H    |
| JP-5 | DIAG | OFF → ON |

- 4) When the flash ROM version of other than the controller is upgraded, remove the flash ROM from the said PWB unit and insert it into the ROM slot on the controller as shown in Fig. 1. When the flash ROM of Controller is removed, version up of the flash ROM cannot be made. Therefore install the flash ROM for Controller which are preliminary arranged to the Controller PWB.
- 5) Install the controller PWB.  
At this time, disconnect the scanner cable/FAX connection cable.
- 6) Connect the PC and the machine with the printer cable.
- 7) Turn on the power.  
At this time, the machine is booted in the BOOT mode, and the following message is displayed on the 2-line display.

```
Version Check
XXXXXXXXXX
```

- 8) Select the following display screen with MENU key, and press OK key.

##### •Rewriting the flash ROM inserted to an empty socket

```
CN Update
From Parallel
```

↓ [OK]key

```
CN Update
Waiting Data
```

##### •Rewriting the controller Flash ROM

```
Firm Update
From Parallel
```

↓ [OK]key

```
Firm Update
Waiting Data
```

- 9) Boot the PC in the MS-DOS mode.  
Check the directory and the file name in advance.
- 10) Enter the command below and execute, and the file is written.  
FCOPY XXXX.SFU (XXXX.SFU: File name)
- 11) When data are received, the display is switched as follows. The data LED blinks.

Rewriting the flash ROM inserted to an empty socket

```
CN Update
Receiving Data
```

When data reception is normally completed,  
the screen changes to the display below.

```
CN Update PCU
Writing OK?
```

↓ [OK] key [Check writing]

```
CN Update PCU ->CN5
Writing Data
```

↓ [↑][↓] key [Write slot selection]

```
CN Update PCU ->CN6
Writing Data
```

↓ [OK] key [Slot check]

```
CN Update PCU ->CN6
Writing Data
```

↓ [Writing]

```
CN Update PCU ->CN6
Result: OK
```

Rewriting the controller Flash ROM

```
Firm Update
Receiving Data
```

↓ [Data receiving]

```
Firm Update
Writing Data
```

↓ [Writing]

```
Firm Update
Result: OK
```

- 12) When data reception is completed normally, the display is switched as follows, and the data LED goes off.

Rewriting the flash ROM inserted to an empty socket

```
CN Update:XXXX
Result:OK
```

Rewriting the controller Flash ROM

```
Firm Update:XXXX
Result:OK
```



- 13) If data reception is not completed normally, the display is switched as follows, and the error LED blinks.

Rewriting the flash ROM inserted to an empty socket

CN Update:XXXX  
Result:NG

Rewriting the controller Flash ROM

Firm Update:XXXX  
Result:NG

In this case, turn off the power and repeat procedures from 7).

- 14) When data reception is completed normally, turn off the power and pull out the control PWB.
- 15) Remove the flash ROM from the socket, and replace it to the original PWB.
- 16) Replace the jumper wire of the control PWB to the original position.

**•In the case of printer control PWB**

|      |      |          |
|------|------|----------|
| JP-2 | VCCW | H → L    |
| JP-4 | DIAG | ON → OFF |

**•In the case of MFP control PWB**

|      |      |          |
|------|------|----------|
| JP-2 | VCCW | H → L    |
| JP-5 | DIAG | ON → OFF |

- 17) Install the control PWB.

**Table1 Contorol PWB Jumper-PIN**

**Printer control PWB**

| Jumper switching function | The mark printed on PWB | Function |     |        |      |         |
|---------------------------|-------------------------|----------|-----|--------|------|---------|
| BOOT program start        | DIAG                    | JP4      | ON  |        | OFF* |         |
| Flash write (Control-PWB) | VCCW                    | JP2      | H   | enable | L*   | protect |
| Battery ON/OFF            | BATTERY                 | JP5      | ON* |        | OFF  |         |
| no use                    | SW1                     | JP3      | H   |        | L*   |         |

\* Default setting

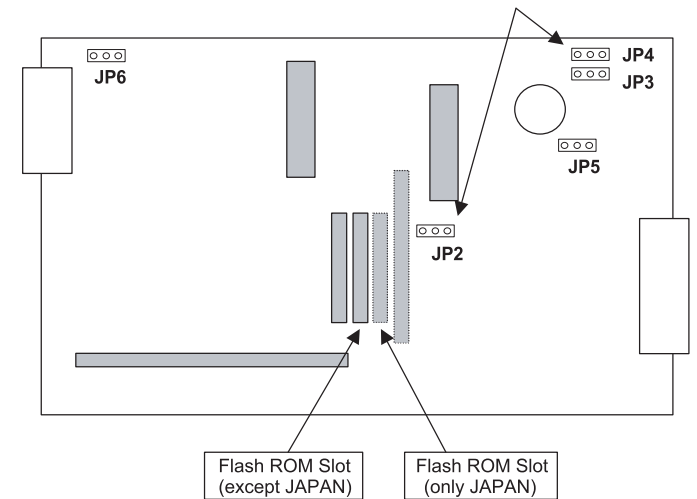
**MFP control PWB**

| Jumper switching function | The mark printed on PWB | Function |     |        |      |         |
|---------------------------|-------------------------|----------|-----|--------|------|---------|
| BOOT program start        | DIAG                    | JP5      | ON  |        | OFF* |         |
| Flash write (Control-PWB) | VCCW                    | JP2      | H   | enable | L*   | protect |
| Battery ON/OFF            | BATTERY                 | JP6      | ON* |        | OFF  |         |
| no use                    | SW1                     | JP4      | H   |        | L*   |         |

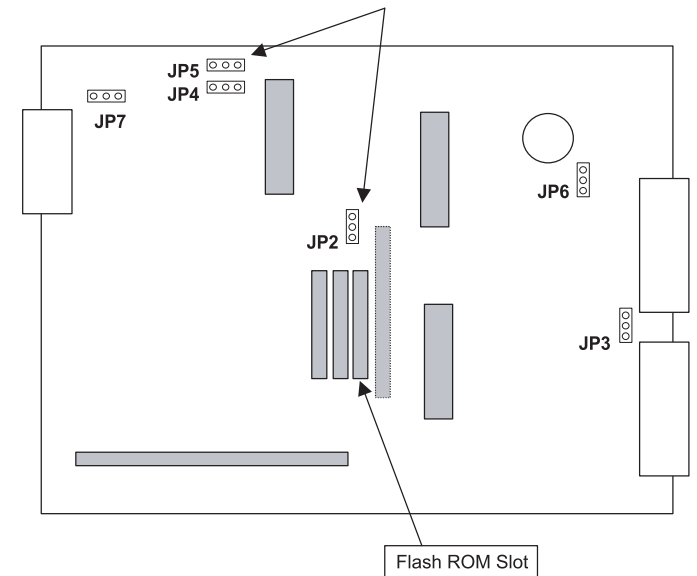
\* Default setting

**Fig.1**

**Printer control PWB**



**MFP control PWB**



**[Supplement]**

When the controller flash ROM version up procedure is not completed normally due to a power OFF trouble, etc. it may not be booted by turning on the power.

In such a case, if the controller boot ROM and the Controller ROM are available, rewriting can be performed by using the socket. When servicing, therefore, be sure to carry those two ROMs.

Note:

- 1) To use FCOPY as the writing tool from PC, the controller boot ROM and the Controller ROM are required.  
Therefore, to upgrade the Controller version, the Controller flash PWB must be arranged separately.
- 2) When the controller version up procedure is not completed normally due to a power OFF trouble, etc. it may not be booted by turning on the power.  
In such a case, if the controller boot ROM and the Controller ROM are available, rewriting can be performed by using the socket. When servicing, therefore, be sure to carry those two ROMs.

#### CAUTION FOR BATTERY REPLACEMENT

- (Danish)                      ADVARSEL !  
Lithiumbatteri – Eksplosionsfare ved fejlagtig håndtering.  
Udskiftning må kun ske med batteri  
af samme fabrikat og type.  
Levér det brugte batteri tilbage til leverandoren.
- (English)                      Caution !  
Danger of explosion if battery is incorrectly replaced.  
Replace only with the same or equivalent type  
recommended by the manufacturer.  
Dispose of used batteries according to manufacturer's instructions.
- (Finnish)                      VAROITUS  
Paristo voi räjähtää, jos se on virheellisesti asennettu.  
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan  
tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden  
mukaisesti.
- (French)                      ATTENTION  
Il y a danger d'explosion s' il y a remplacement incorrect  
de la batterie. Remplacer uniquement avec une batterie du  
même type ou d'un type équivalent recommandé par  
le constructeur.  
Mettre au rebut les batteries usagées conformément aux  
instructions du fabricant.
- (Swedish)                      VARNING  
Explosionsfara vid felaktigt batteribyte.  
Använd samma batterityp eller en ekvivalent  
typ som rekommenderas av apparatillverkaren.  
Kassera använt batteri enligt fabrikantens  
instruktion.
- (German)                      Achtung  
Explosionsgefahr bei Verwendung inkorrektter Batterien.  
Als Ersatzbatterien dürfen nur Batterien vom gleichen Typ oder  
vom Hersteller empfohlene Batterien verwendet werden.  
Entsorgung der gebrauchten Batterien nur nach den vom  
Hersteller angegebenen Anweisungen.

#### CAUTION FOR BATTERY DISPOSAL

- (For USA,CANADA)  
Contains lithium-ion battery. Must be disposed of properly.  
Remove the battery from the product and contact  
federal or state environmental  
agencies for information on recycling and disposal options.

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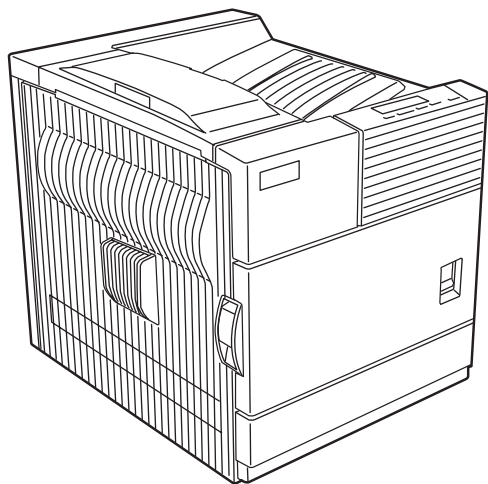
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**Digital Document System Group**  
**Quality & Reliability Control Center**  
**Yamatokoriyama, Nara 639-1186, Japan**

2001 April Printed in Japan (N)

# SHARP CIRCUIT DIAGRAM

CODE : 00ZARP350/C1/



## レーザープリンタ LASER PRINTER

**AR-350LP (Japan Only)**

**AR-450LP (Japan Only)**

**AR-P350 (Except Japan)**

**MODEL AR-P450 (Except Japan)**

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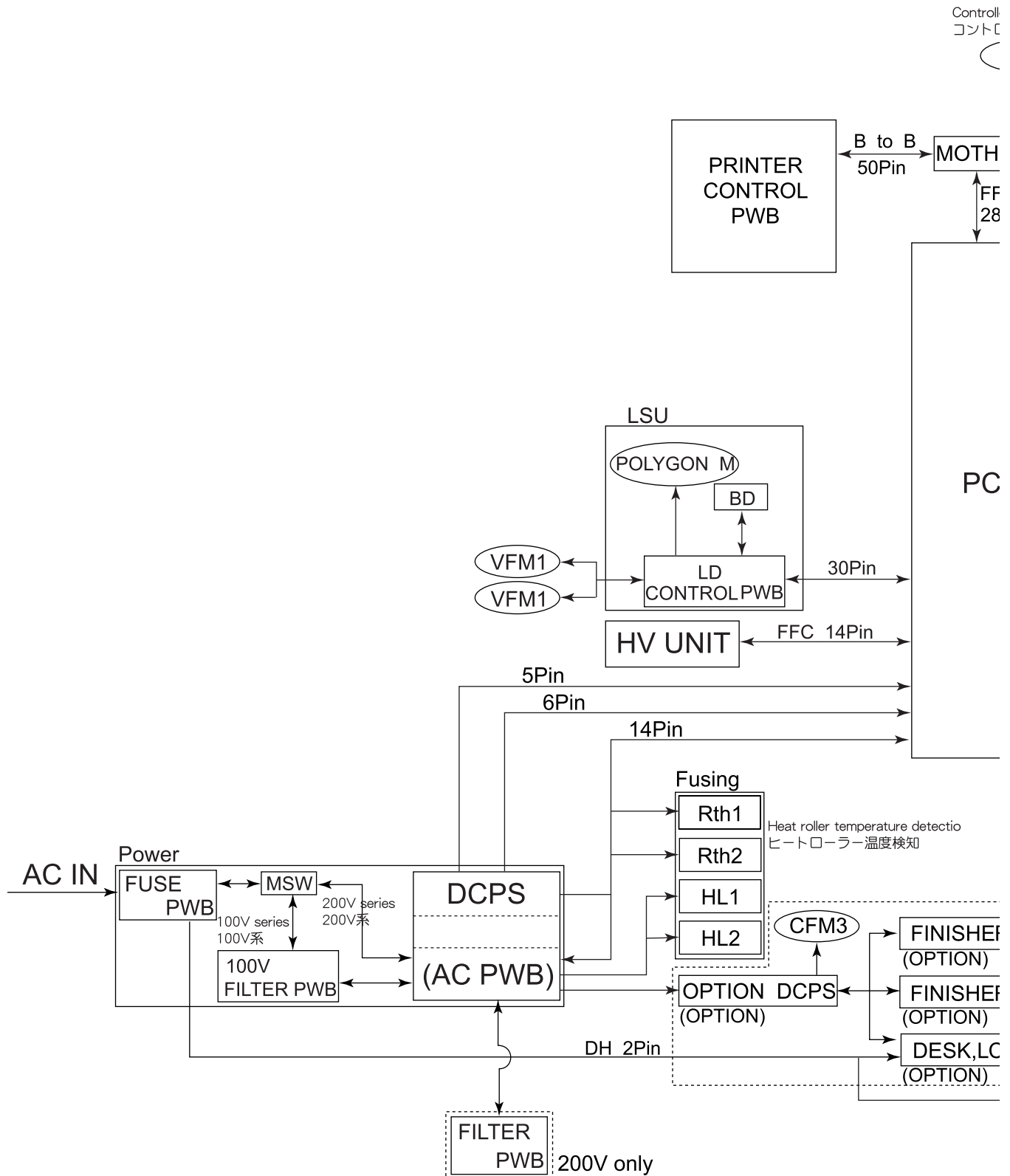
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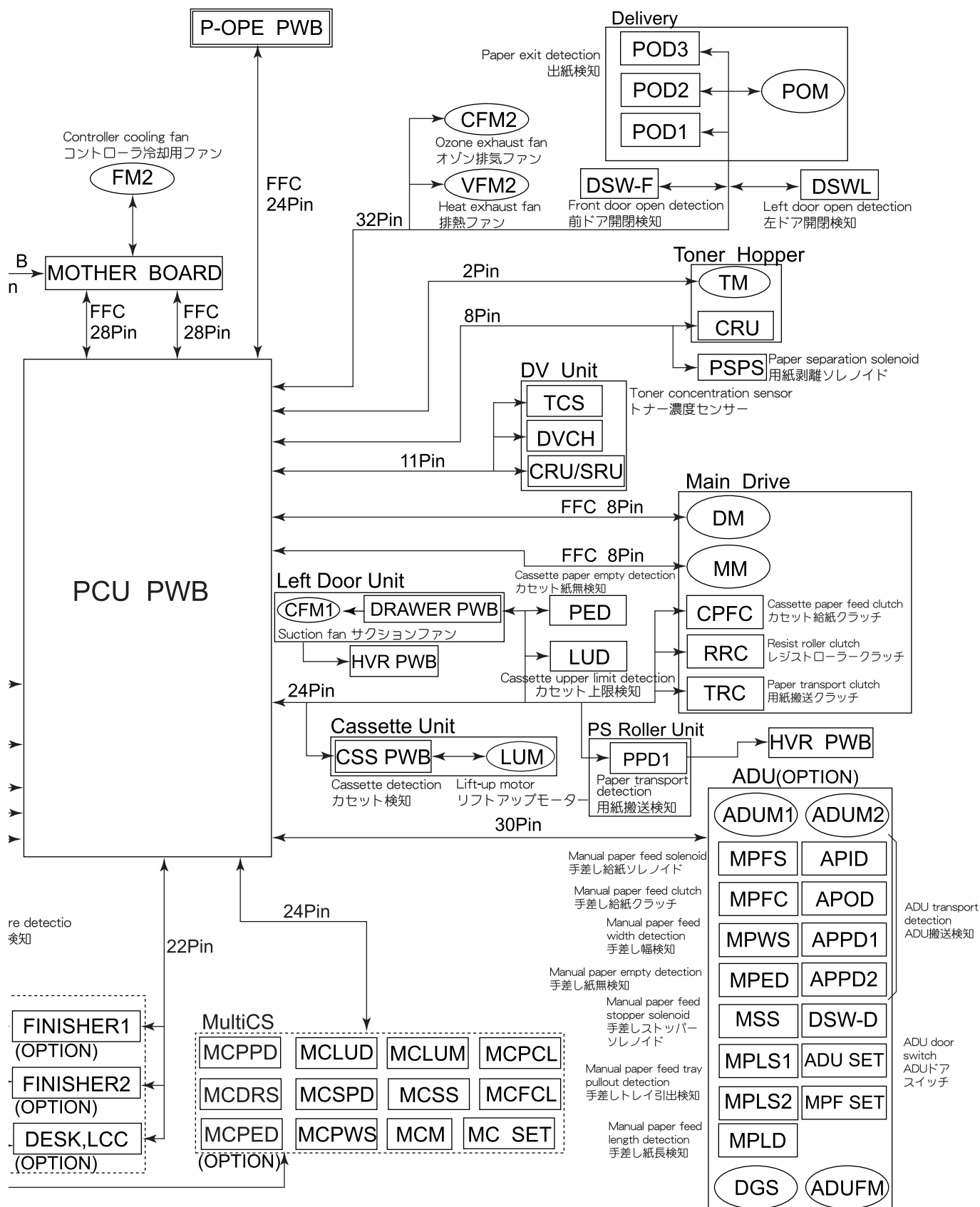
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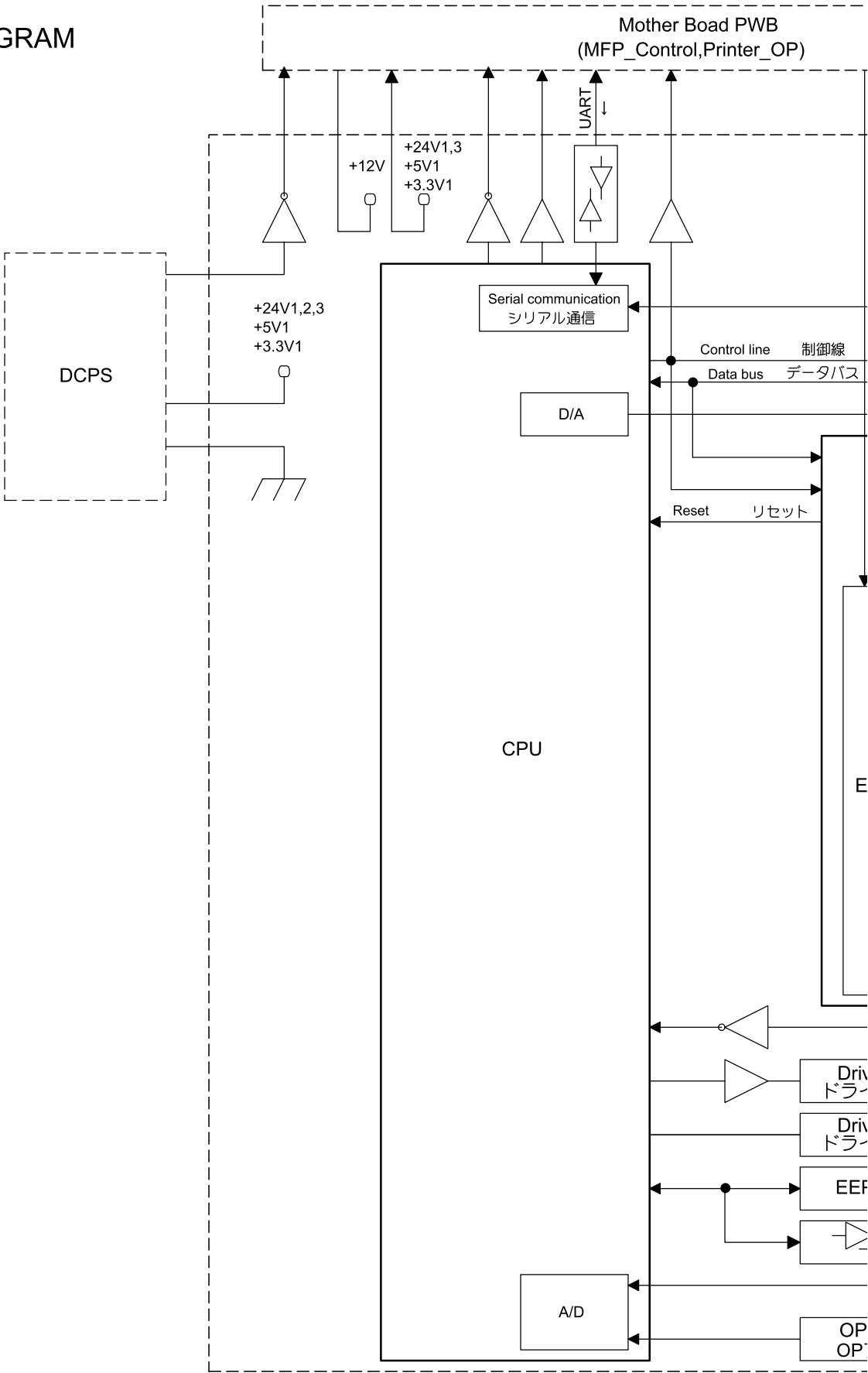
# [1] プリンタモデルブロック図 (Printer Model Block Diagram)

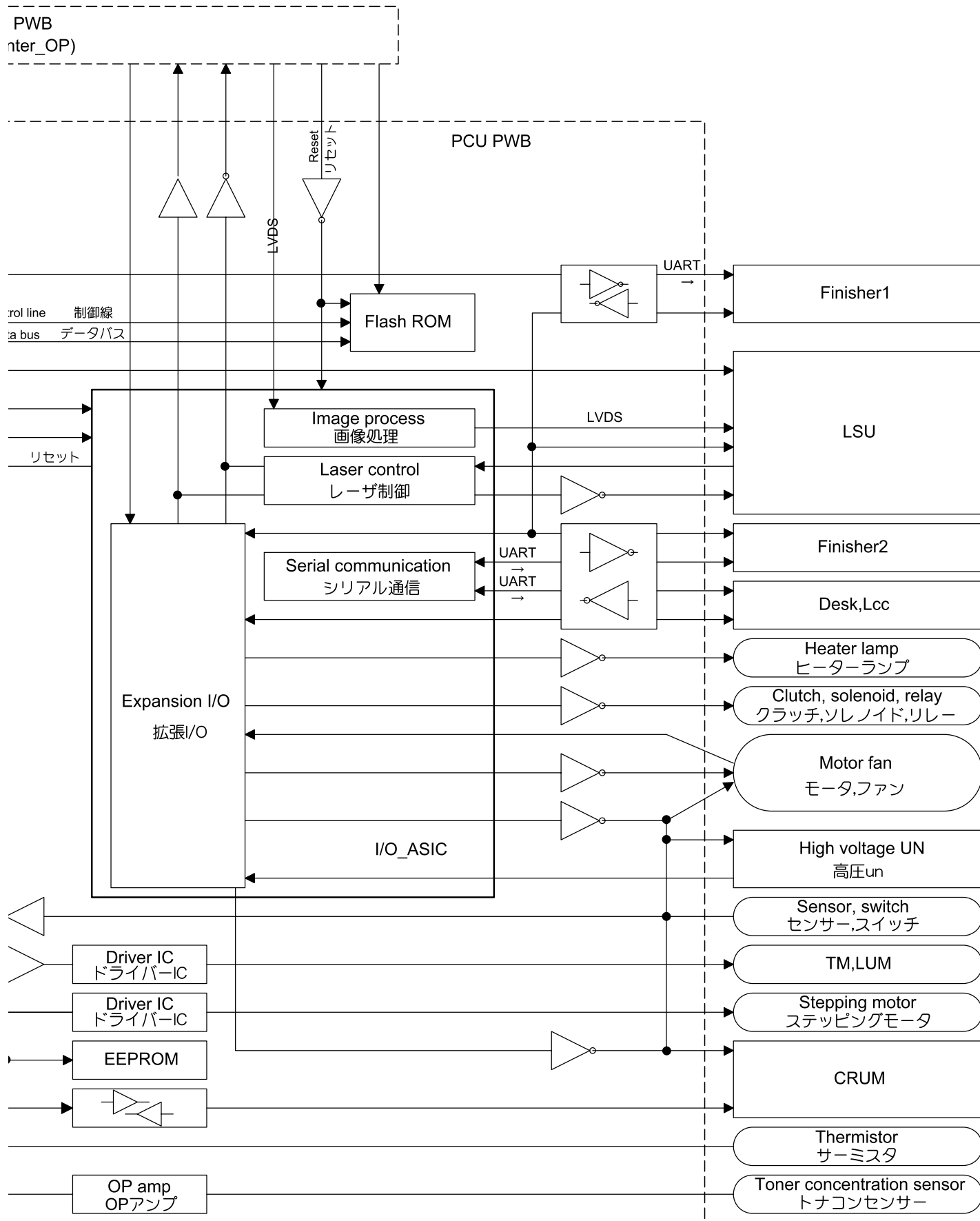




[2] MCU (MCU)

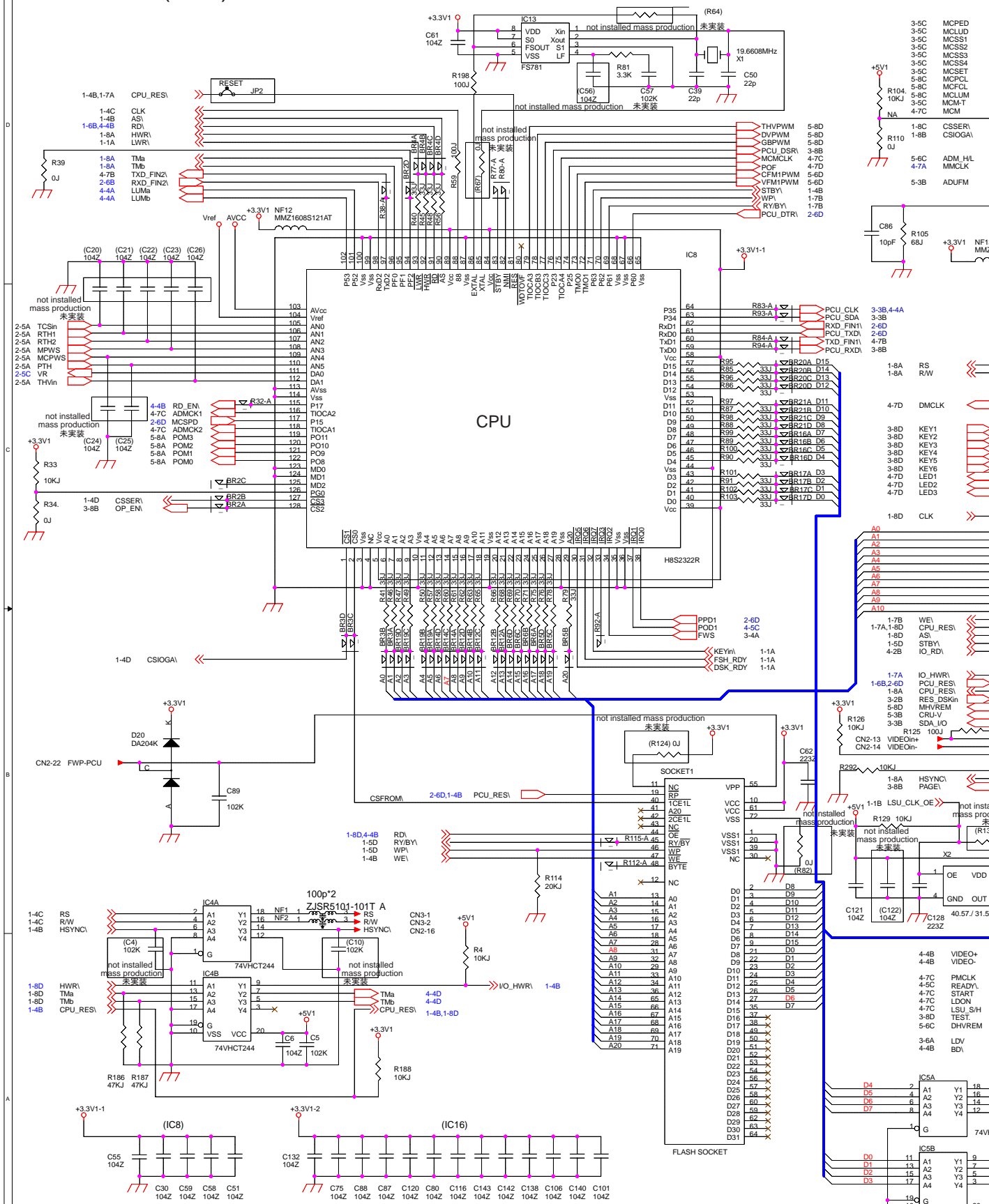
MCU BLOCK DIAGRAM  
MCUブロック図







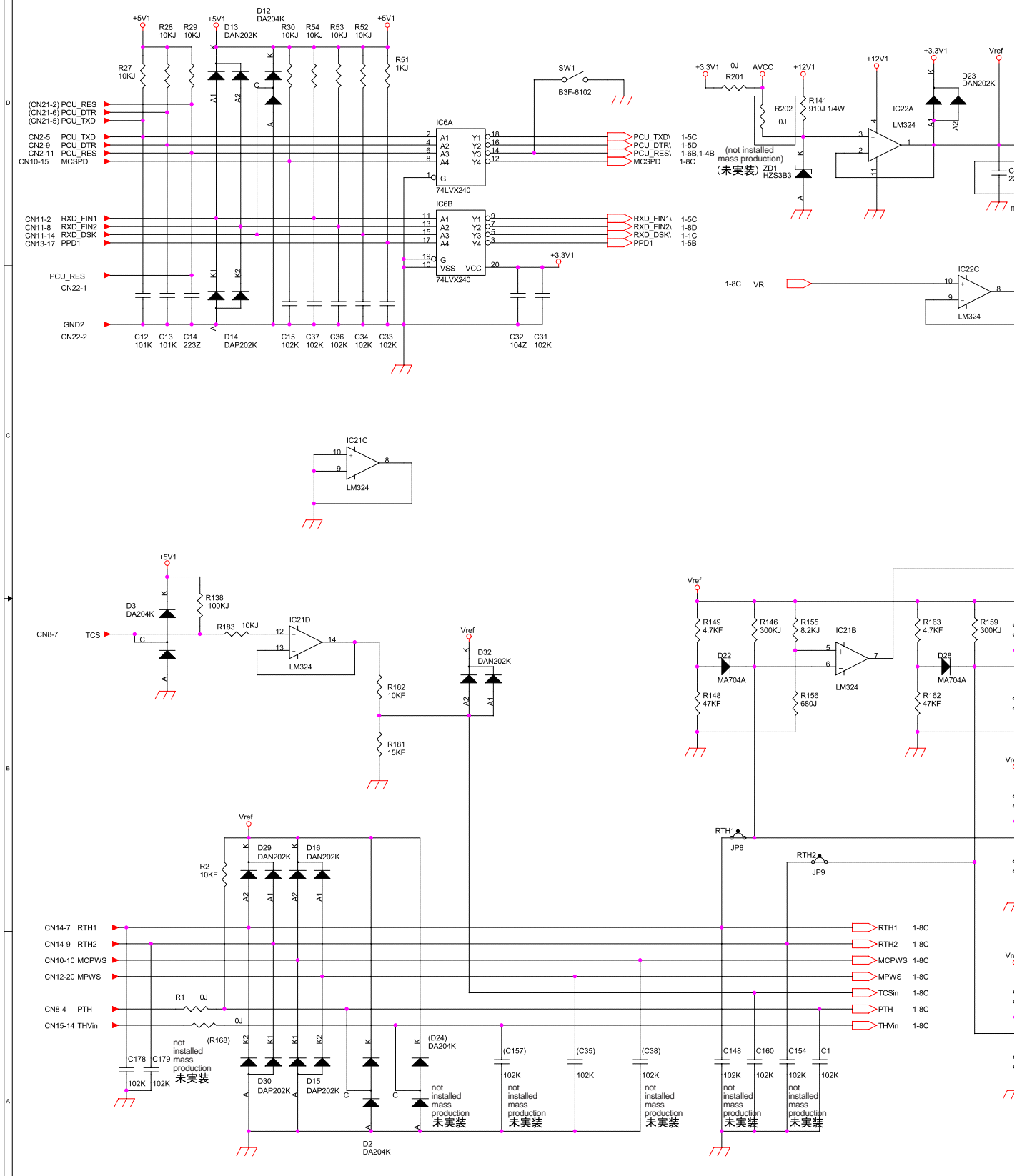
## PCU PWB (1 / 6)



Unspecified Network / Array is +3.3V1 pull up.  
BR - 10KJ 指示なき BRIは、+3.3V にプルアップ



# PCU PWB (2 / 6)

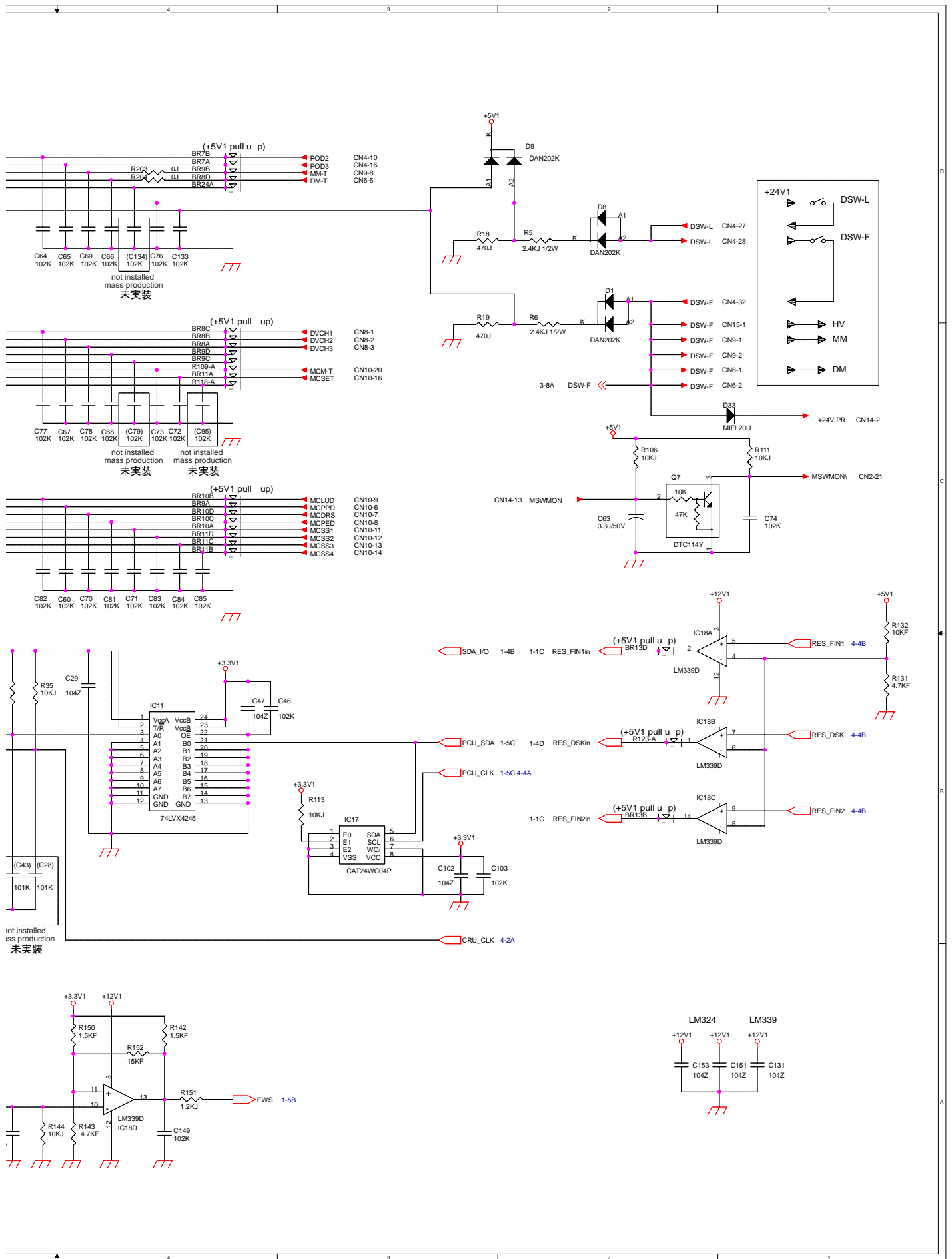




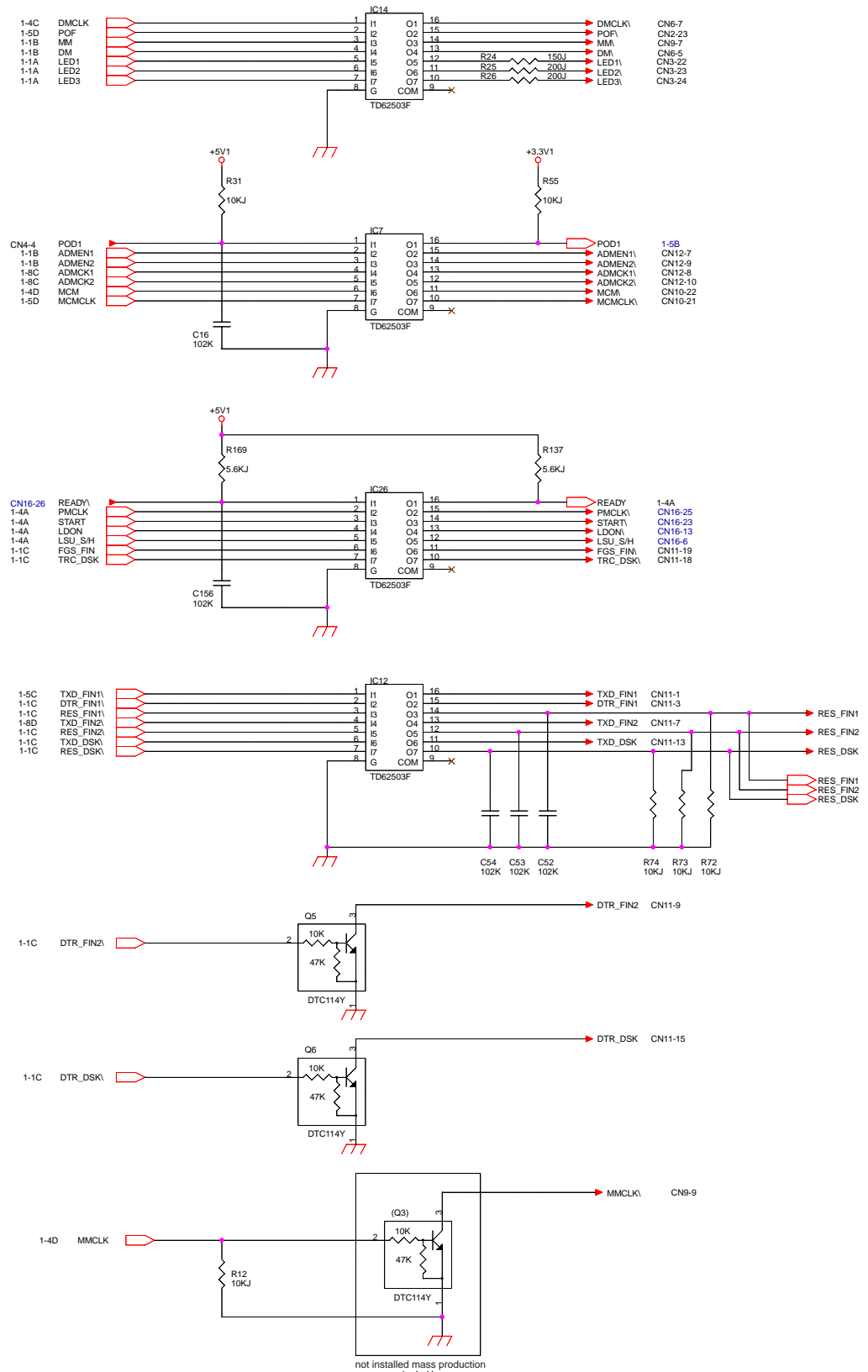
# PCU PWB (3 / 6)

The diagram illustrates the PCU PWB (3 / 6) with various components and their connections. Key components and connections include:

- Connectors and Pins:** 1-4C KEY1, 1-4C KEY2, 1-4C KEY3, 1-4C KEY4, 1-4C KEY5, 1-4C KEY6, 1-4A TEST, 1-3A MHV-T, 1-1B CSS, 1-1B PED, 1-1B LIUD, 1-1B APIND, 1-1B APD, 1-1B APPD2, 1-1B APPD1, 1-1B MPLD1, 1-1B MPED, 1-1B DSW-D, 1-1B ADJSET, 1-1B MPFSET, 1-1C DSR\_FIN1, 1-1C DSR\_FIN2, 1-1C DSR\_DSK, 1-1A MPLS2, 1-1A MPLS1, 1-1A MPLD2, 1-5C PCU\_RXD1, 1-5D PCU\_DSR1, 1-4B PAGE1, 1-8C OP\_EN, 1-1D POD3, 1-1D DM-T, 1-1A CRUM, 1-1D DSW-L, 1-1A DSW-F, 1-1D DVCH1, 1-1D DVCH2, 1-1D DVCH3, 1-1D DVCH4, 1-1D DVCH5, 1-4D MCM-T, 1-4D MCSET, 1-1C PPD2, 1-4D MCLUD, 1-1D MCPDP, 1-1D MCDRS, 1-4D MCPED, 1-4D MCSS1, 1-4D MCSS2, 1-4D MCSS3, 1-4D MCSS4, CN5-4 CRUSDA, CN5-3 CRUCLK, CN14-1 FW, 3-2D DSW-F.
- Resistors:** C91, C90, C94, C93, C97, C96, C141, C139, C183, C184, C185, C186, C125, C127, C126, C119, C114, C115, C113, C111, C110, C109, C105, C49, C48, C98, C137, C136, C135, C134, C133, C132, C131, C130, C129, C128, C127, C126, C125, C124, C123, C122, C121, C120, C119, C118, C117, C116, C115, C114, C113, C112, C111, C110, C109, C108, C107, C106, C105, C104, C103, C102, C101, C100, C99, C98, C97, C96, C95, C94, C93, C92, C91, C90, C89, C88, C87, C86, C85, C84, C83, C82, C81, C80, C79, C78, C77, C76, C75, C74, C73, C72, C71, C70, C69, C68, C67, C66, C65, C64, C63, C62, C61, C60, C59, C58, C57, C56, C55, C54, C53, C52, C51, C50, C49, C48, C47, C46, C45, C44, C43, C42, C41, C40, C39, C38, C37, C36, C35, C34, C33, C32, C31, C30, C29, C28, C27, C26, C25, C24, C23, C22, C21, C20, C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1.
- Capacitors:** C91, C90, C94, C93, C97, C96, C141, C139, C183, C184, C185, C186, C125, C127, C126, C119, C114, C115, C113, C111, C110, C109, C105, C49, C48, C98, C137, C136, C135, C134, C133, C132, C131, C130, C129, C128, C127, C126, C125, C124, C123, C122, C121, C120, C119, C118, C117, C116, C115, C114, C113, C112, C111, C110, C109, C108, C107, C106, C105, C104, C103, C102, C101, C100, C99, C98, C97, C96, C95, C94, C93, C92, C91, C90, C89, C88, C87, C86, C85, C84, C83, C82, C81, C80, C79, C78, C77, C76, C75, C74, C73, C72, C71, C70, C69, C68, C67, C66, C65, C64, C63, C62, C61, C60, C59, C58, C57, C56, C55, C54, C53, C52, C51, C50, C49, C48, C47, C46, C45, C44, C43, C42, C41, C40, C39, C38, C37, C36, C35, C34, C33, C32, C31, C30, C29, C28, C27, C26, C25, C24, C23, C22, C21, C20, C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1.
- Diodes:** BR1A, BR1B, BR1C, R22-A, R22-B, R22-C, R22-D, R22-E, R22-F, R22-G, R22-H, R22-I, R22-J, R22-K, R22-L, R22-M, R22-N, R22-O, R22-P, R22-Q, R22-R, R22-S, R22-T, R22-U, R22-V, R22-W, R22-X, R22-Y, R22-Z, R22-AA, R22-AB, R22-AC, R22-AD, R22-AE, R22-AF, R22-AG, R22-AH, R22-AI, R22-AJ, R22-AL, R22-AM, R22-AN, R22-AO, R22-AP, R22-AQ, R22-AR, R22-AS, R22-AT, R22-AU, R22-AV, R22-AW, R22-AX, R22-AY, R22-AZ, R22-BA, R22-BB, R22-BC, R22-BD, R22-BE, R22-BF, R22-BG, R22-BH, R22-BI, R22-BJ, R22-BL, R22-BM, R22-BN, R22-BO, R22-BP, R22-BQ, R22-BR, R22-BS, R22-BT, R22-BU, R22-BV, R22-BW, R22-BX, R22-BY, R22-BZ, R22-CA, R22-CB, R22-CC, R22-CD, R22-CE, R22-CF, R22-CG, R22-CH, R22-CI, R22-CJ, R22-CL, R22-CM, R22-CN, R22-CO, R22-CP, R22-CQ, R22-CR, R22-CS, R22-CT, R22-CU, R22-CV, R22-CW, R22-CX, R22-CY, R22-CZ, R22-DA, R22-DB, R22-DC, R22-DD, R22-DE, R22-DF, R22-DG, R22-DH, R22-DI, R22-DJ, R22-DL, R22-DM, R22-DN, R22-DO, R22-DP, R22-DQ, R22-DR, R22-DS, R22-DT, R22-DU, R22-DV, R22-DW, R22-DX, R22-DY, R22-DZ, R22-EA, R22-EB, R22-EC, R22-ED, R22-EE, R22-EF, R22-EG, R22-EH, R22-EI, R22-EJ, R22-EL, R22-EM, R22-EN, R22-EO, R22-EP, R22-EQ, R22-ER, R22-ES, R22-ET, R22-EU, R22-EV, R22-EW, R22-EX, R22-EY, R22-EZ, R22-FA, R22-FB, R22-FC, R22-FD, R22-FE, R22-FF, R22-FG, R22-FH, R22-FI, R22-FJ, R22-FL, R22-FM, R22-FN, R22-FO, R22-FP, R22-FQ, R22-FR, R22-FS, R22-FT, R22-FU, R22-FV, R22-FW, R22-FX, R22-FY, R22-FZ, R22-GA, R22-GB, R22-GC, R22-GD, R22-GE, R22-GF, R22-GG, R22-GH, R22-GI, R22-GJ, R22-GL, R22-GM, R22-GN, R22-GO, R22-GP, R22-GQ, R22-GR, R22-GS, R22-GT, R22-GU, R22-GV, R22-GW, R22-GX, R22-GY, R22-GZ, R22-HA, R22-HB, R22-HC, R22-HD, R22-HE, R22-HF, R22-HG, R22-HH, R22-HI, R22-HJ, R22-HL, R22-HM, R22-HN, R22-HO, R22-HP, R22-HQ, R22-HR, R22-HS, R22-HT, R22-HU, R22-HV, R22-HW, R22-HX, R22-HY, R22-HZ, R22-IA, R22-IB, R22-IC, R22-ID, R22-IE, R22-IF, R22-IG, R22-IH, R22-II, R22-IJ, R22-IL, R22-IM, R22-IN, R22-IO, R22-IP, R22-IQ, R22-IR, R22-IS, R22-IT, R22-IU, R22-IV, R22-IW, R22-IX, R22-IY, R22-IZ, R22-JA, R22-JB, R22-JC, R22-JD, R22-JE, R22-JF, R22-JG, R22-JH, R22-JI, R22-JJ, R22-JL, R22-JM, R22-JN, R22-JO, R22-JP, R22-JQ, R22-JR, R22-JS, R22-JT, R22-JU, R22-JV, R22-JW, R22-JX, R22-JY, R22-JZ, R22-KA, R22-KB, R22-KC, R22-KD, R22-KE, R22-KF, R22-KG, R22-KH, R22-KI, R22-KJ, R22-KL, R22-KM, R22-KN, R22-KO, R22-KP, R22-KQ, R22-KR, R22-KS, R22-KT, R22-KU, R22-KV, R22-KW, R22-KX, R22-KY, R22-KZ, R22-LA, R22-LB, R22-LC, R22-LD, R22-LE, R22-LF, R22-LG, R22-LH, R22-LI, R22-LJ, R22-LK, R22-LM, R22-LN, R22-LO, R22-LP, R22-LQ, R22-LR, R22-LS, R22-LT, R22-LU, R22-LV, R22-LW, R22-LX, R22-LY, R22-LZ, R22-MA, R22-MB, R22-MC, R22-MD, R22-ME, R22-MF, R22-MG, R22-MH, R22-MI, R22-MJ, R22-MK, R22-ML, R22-MN, R22-MO, R22-MP, R22-MQ, R22-MR, R22-MS, R22-MT, R22-MU, R22-MV, R22-MW, R22-MX, R22-MY, R22-MZ, R22-NA, R22-NB,



# PCU PWB (4 / 6)







# PCU PWB (5 / 6)

This diagram illustrates the internal circuitry of the PCU PWB (5 / 6). It features several integrated circuits (ICs) and their associated components:

- IC24** (TD62503F) and **IC20** (TD62003AP) are connected to various input and output pins, including MHVREM, DVREM, THV+PWM, DHV+PWM, GBWM, THV+PWM, and DV+PWM.
- IC1** (TD62003AP) and **IC23** (TD62503F) are connected to pins such as DGS, MPFS, MCPCL, MPFC, MCPC, MCLUM, MSS, VFM1PWM, VFM2PWM, CFM1PWM, CFM2PWM, THVREM, DHVREM, and ADM\_HL.
- IC19** (TD62003AP) is connected to pins including RRC, MCPFS, HL1, HL2, FTH1, FTH2, FM2, DVCRU, and DCPR.
- IC3** (MTD1361) is connected to pins such as Vref A, Vref B, OUT A, OUT B, CR A, CR B, Vs A, Vs B, IN A, IN B, PG, and LG.

The diagram also shows various passive components, including resistors (R16, R21, R3, R5, R7, R13, R14, R15, R17, R20, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100), capacitors (C8, C9, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100), and diodes (ZD2, ZD3, ZD4, ZD5, ZD6, ZD7, ZD8, ZD9, ZD10, ZD11, ZD12, ZD13, ZD14, ZD15, ZD16, ZD17, ZD18, ZD19, ZD20, ZD21, ZD22, ZD23, ZD24, ZD25, ZD26, ZD27, ZD28, ZD29, ZD30, ZD31, ZD32, ZD33, ZD34, ZD35, ZD36, ZD37, ZD38, ZD39, ZD40, ZD41, ZD42, ZD43, ZD44, ZD45, ZD46, ZD47, ZD48, ZD49, ZD50, ZD51, ZD52, ZD53, ZD54, ZD55, ZD56, ZD57, ZD58, ZD59, ZD60, ZD61, ZD62, ZD63, ZD64, ZD65, ZD66, ZD67, ZD68, ZD69, ZD70, ZD71, ZD72, ZD73, ZD74, ZD75, ZD76, ZD77, ZD78, ZD79, ZD80, ZD81, ZD82, ZD83, ZD84, ZD85, ZD86, ZD87, ZD88, ZD89, ZD90, ZD91, ZD92, ZD93, ZD94, ZD95, ZD96, ZD97, ZD98, ZD99, ZD100).

The diagram also shows various connectors and their associated components, including:

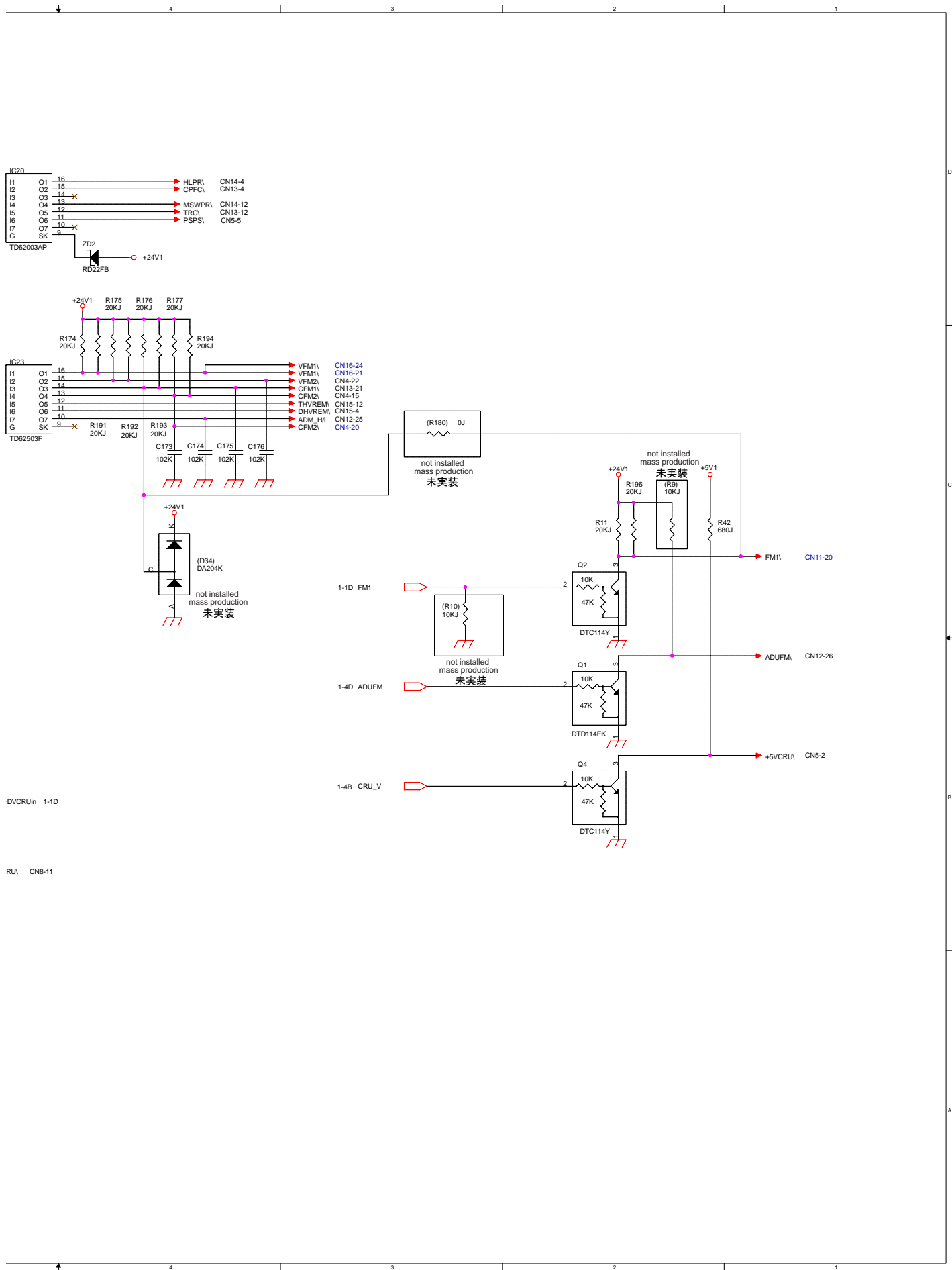
- IC24** (TD62503F) and **IC20** (TD62003AP) are connected to various input and output pins, including MHVREM, DVREM, THV+PWM, DHV+PWM, GBWM, THV+PWM, and DV+PWM.
- IC1** (TD62003AP) and **IC23** (TD62503F) are connected to pins such as DGS, MPFS, MCPCL, MPFC, MCPC, MCLUM, MSS, VFM1PWM, VFM2PWM, CFM1PWM, CFM2PWM, THVREM, DHVREM, and ADM\_HL.
- IC19** (TD62003AP) is connected to pins including RRC, MCPFS, HL1, HL2, FTH1, FTH2, FM2, DVCRU, and DCPR.
- IC3** (MTD1361) is connected to pins such as Vref A, Vref B, OUT A, OUT B, CR A, CR B, Vs A, Vs B, IN A, IN B, PG, and LG.

The diagram also shows various passive components, including resistors (R16, R21, R3, R5, R7, R13, R14, R15, R17, R20, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100), capacitors (C8, C9, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100), and diodes (ZD2, ZD3, ZD4, ZD5, ZD6, ZD7, ZD8, ZD9, ZD10, ZD11, ZD12, ZD13, ZD14, ZD15, ZD16, ZD17, ZD18, ZD19, ZD20, ZD21, ZD22, ZD23, ZD24, ZD25, ZD26, ZD27, ZD28, ZD29, ZD30, ZD31, ZD32, ZD33, ZD34, ZD35, ZD36, ZD37, ZD38, ZD39, ZD40, ZD41, ZD42, ZD43, ZD44, ZD45, ZD46, ZD47, ZD48, ZD49, ZD50, ZD51, ZD52, ZD53, ZD54, ZD55, ZD56, ZD57, ZD58, ZD59, ZD60, ZD61, ZD62, ZD63, ZD64, ZD65, ZD66, ZD67, ZD68, ZD69, ZD70, ZD71, ZD72, ZD73, ZD74, ZD75, ZD76, ZD77, ZD78, ZD79, ZD80, ZD81, ZD82, ZD83, ZD84, ZD85, ZD86, ZD87, ZD88, ZD89, ZD90, ZD91, ZD92, ZD93, ZD94, ZD95, ZD96, ZD97, ZD98, ZD99, ZD100).

The diagram also shows various connectors and their associated components, including:

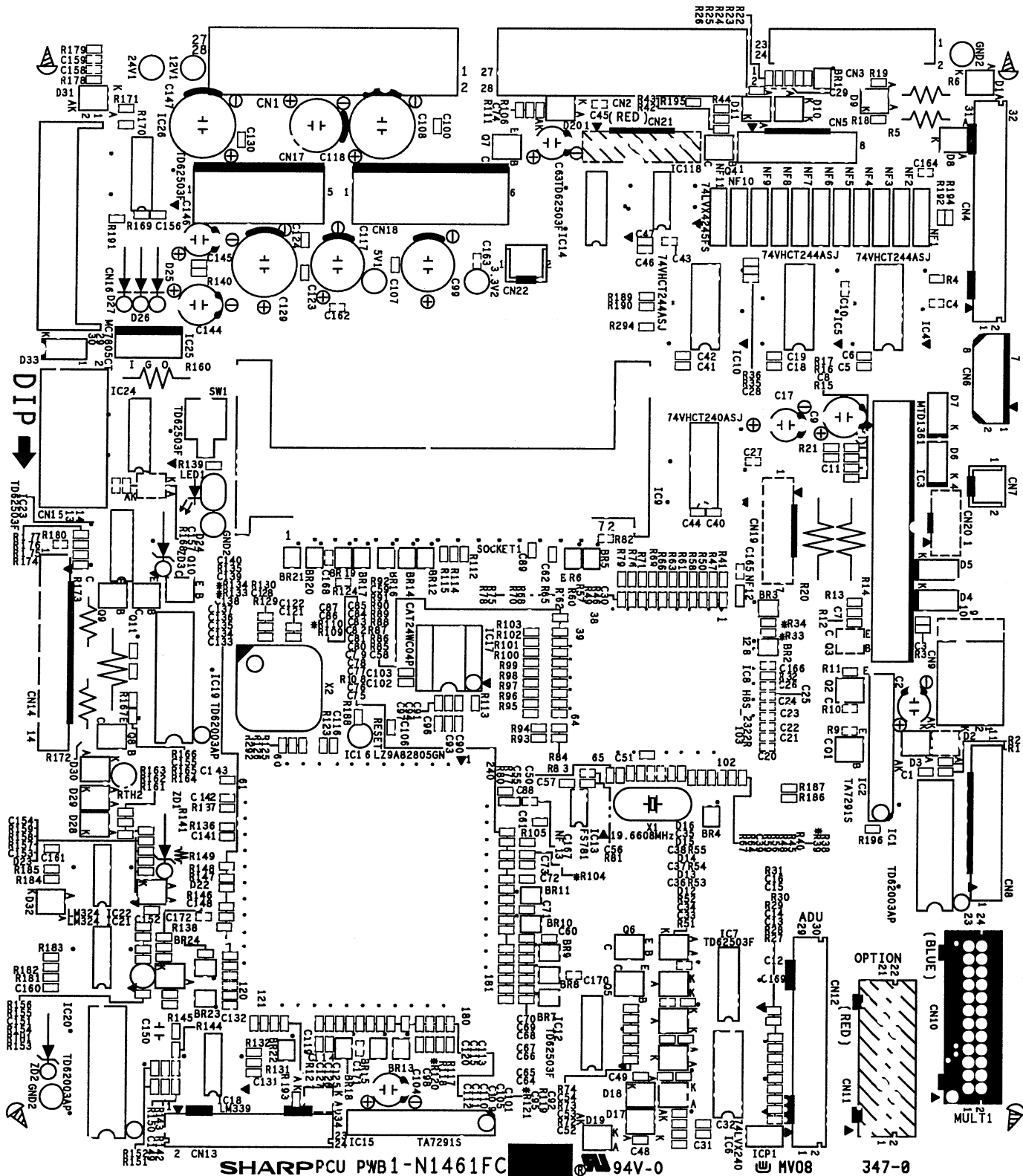
- IC24** (TD62503F) and **IC20** (TD62003AP) are connected to various input and output pins, including MHVREM, DVREM, THV+PWM, DHV+PWM, GBWM, THV+PWM, and DV+PWM.
- IC1** (TD62003AP) and **IC23** (TD62503F) are connected to pins such as DGS, MPFS, MCPCL, MPFC, MCPC, MCLUM, MSS, VFM1PWM, VFM2PWM, CFM1PWM, CFM2PWM, THVREM, DHVREM, and ADM\_HL.
- IC19** (TD62003AP) is connected to pins including RRC, MCPFS, HL1, HL2, FTH1, FTH2, FM2, DVCRU, and DCPR.
- IC3** (MTD1361) is connected to pins such as Vref A, Vref B, OUT A, OUT B, CR A, CR B, Vs A, Vs B, IN A, IN B, PG, and LG.

The diagram also shows various passive components, including resistors (R16, R21, R3, R5, R7, R13, R14, R15, R17, R20, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100), capacitors (C8, C9, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C7



## 2-13

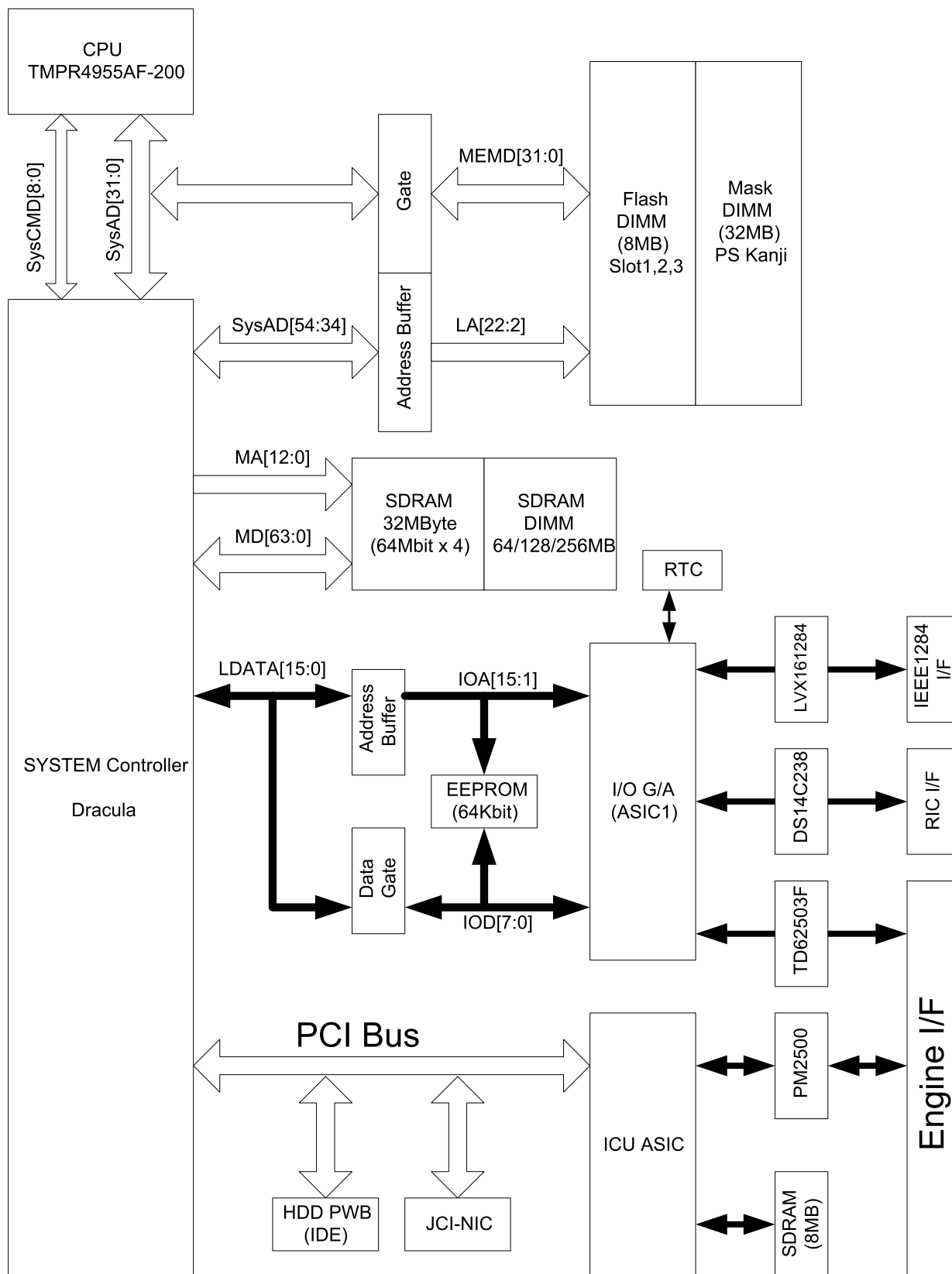
[illegible]



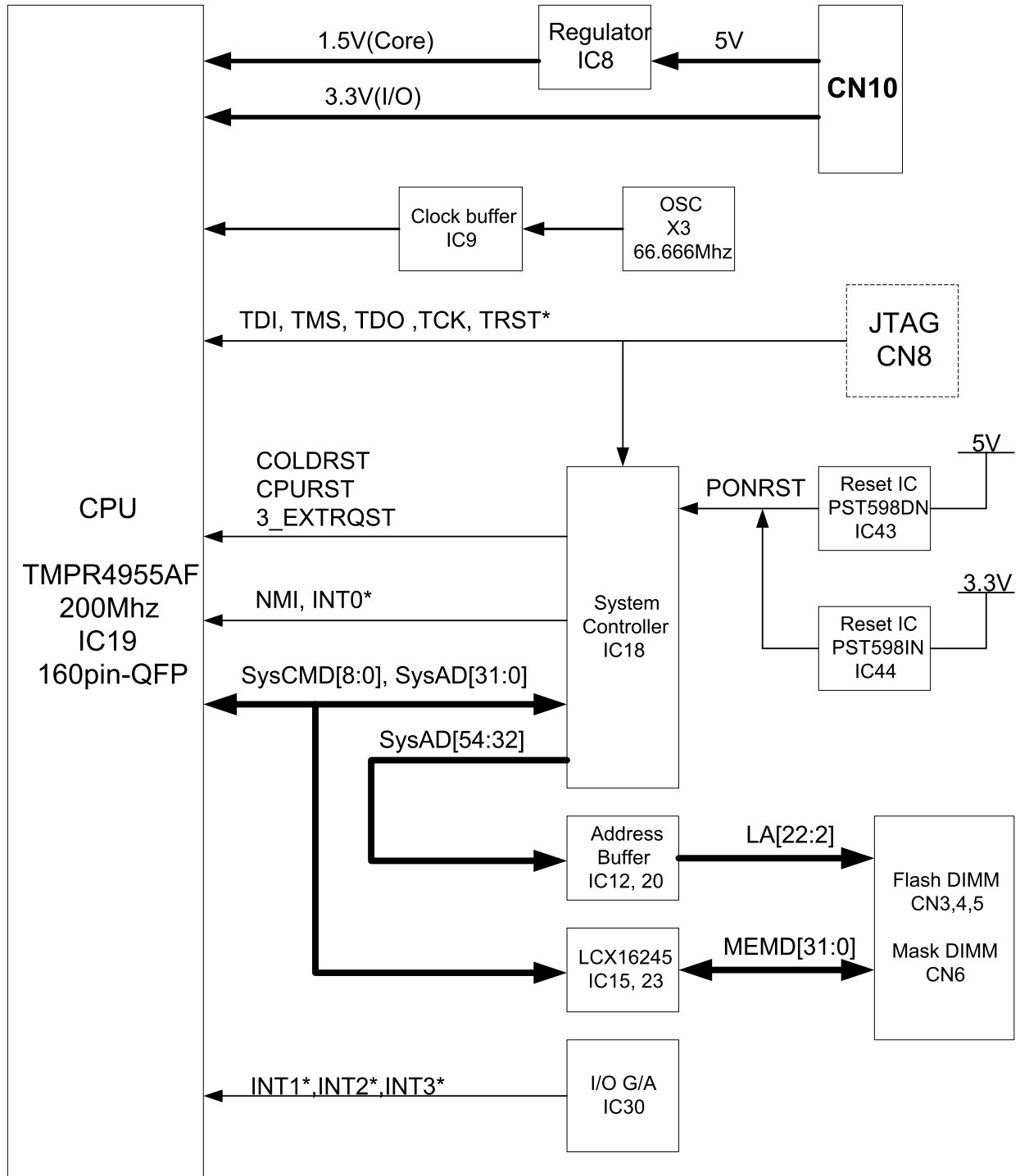


### [3] プリンタコントロール基板 (Printer Control PWB)

#### General

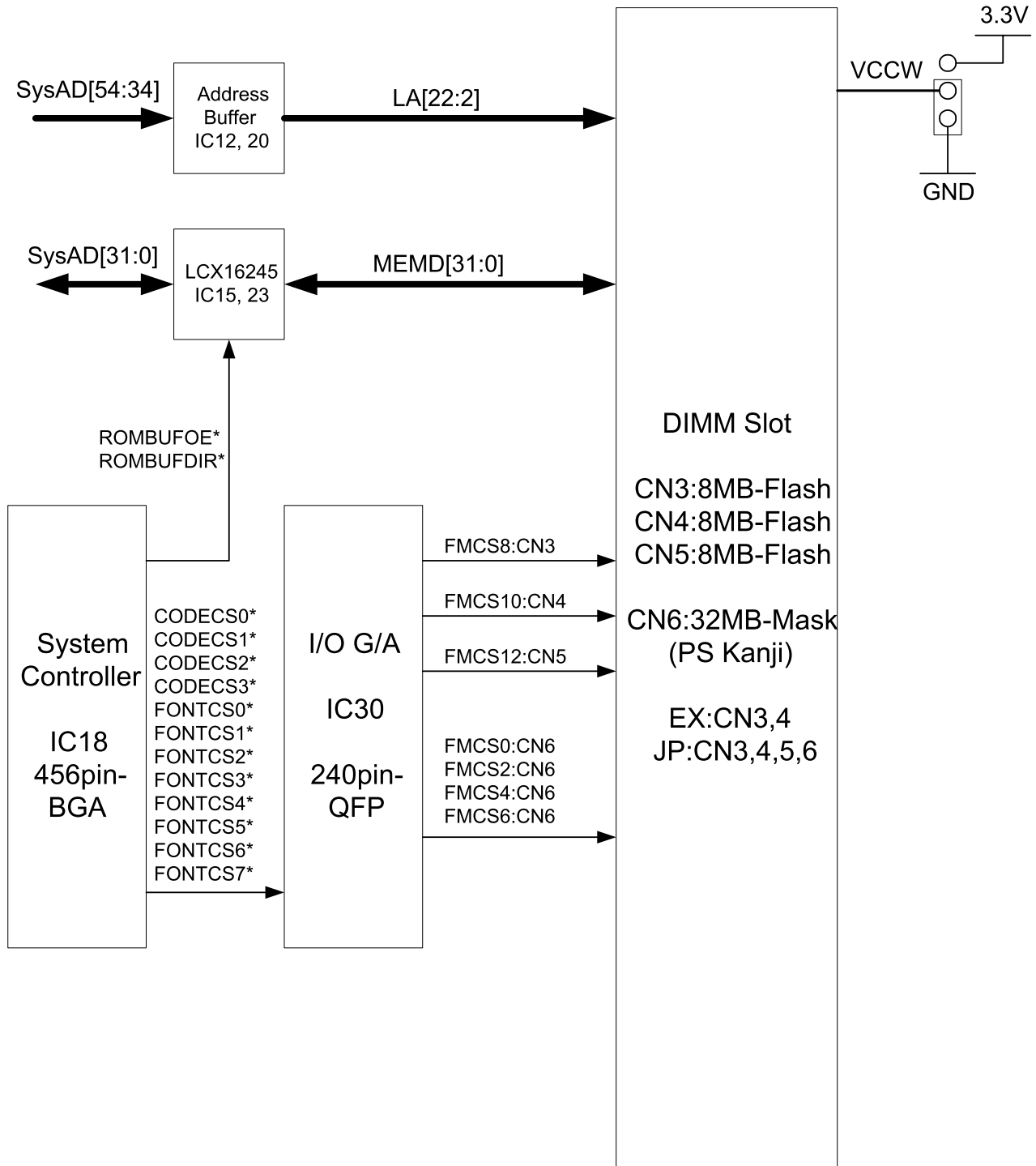


# CPU Block

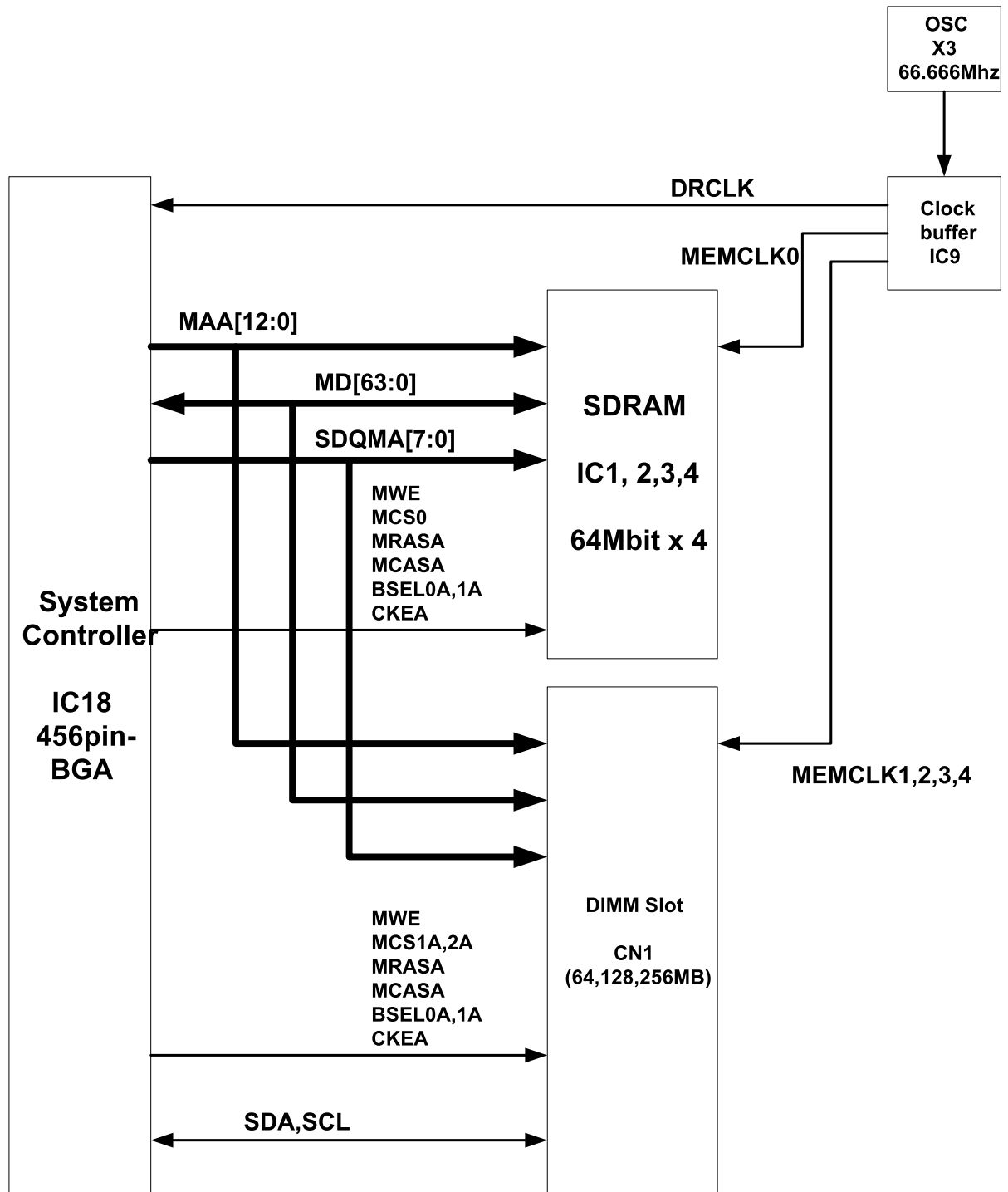




## ROM Block ( Flash & Mask )

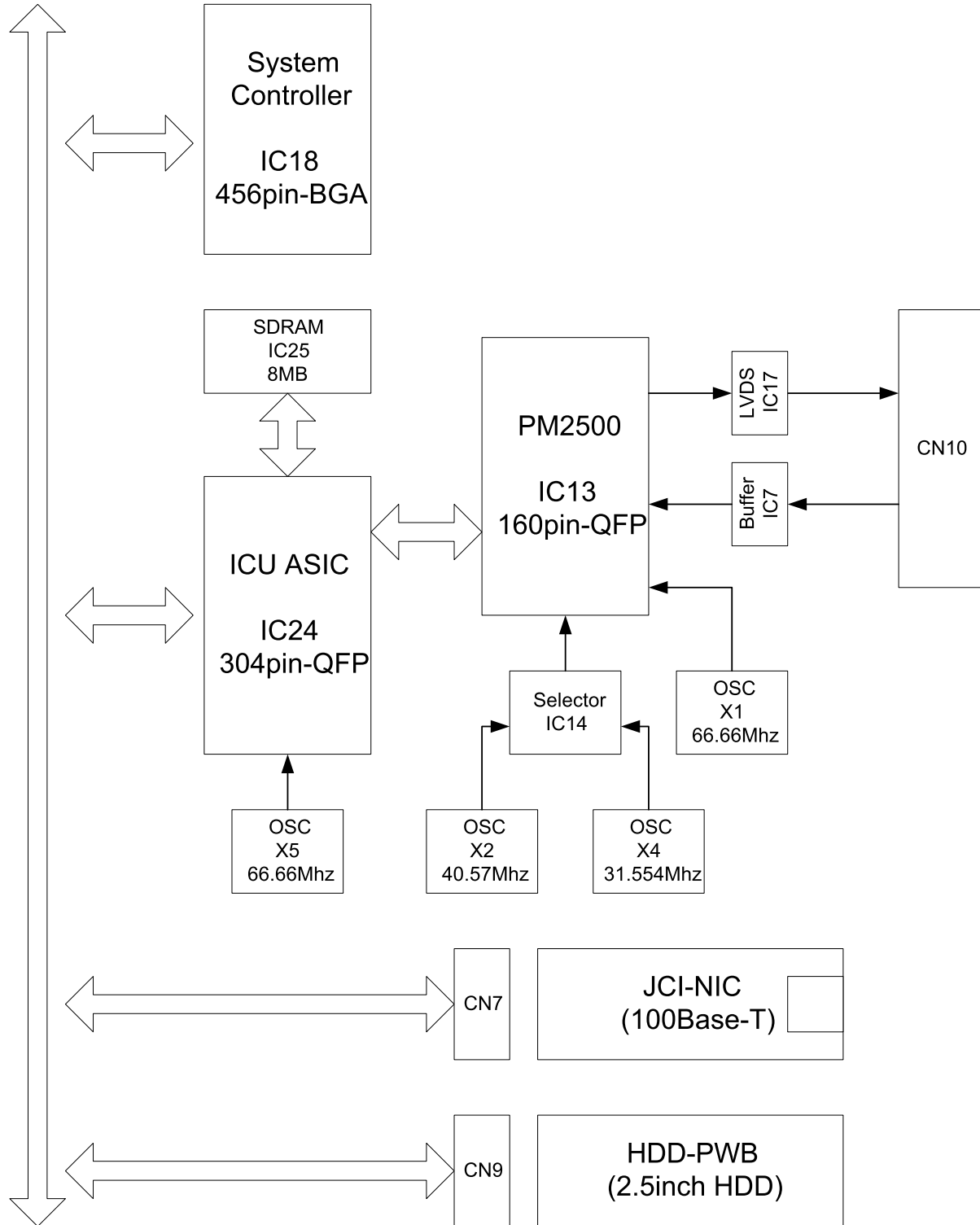


## SDRAM Block ( Standard & Option )

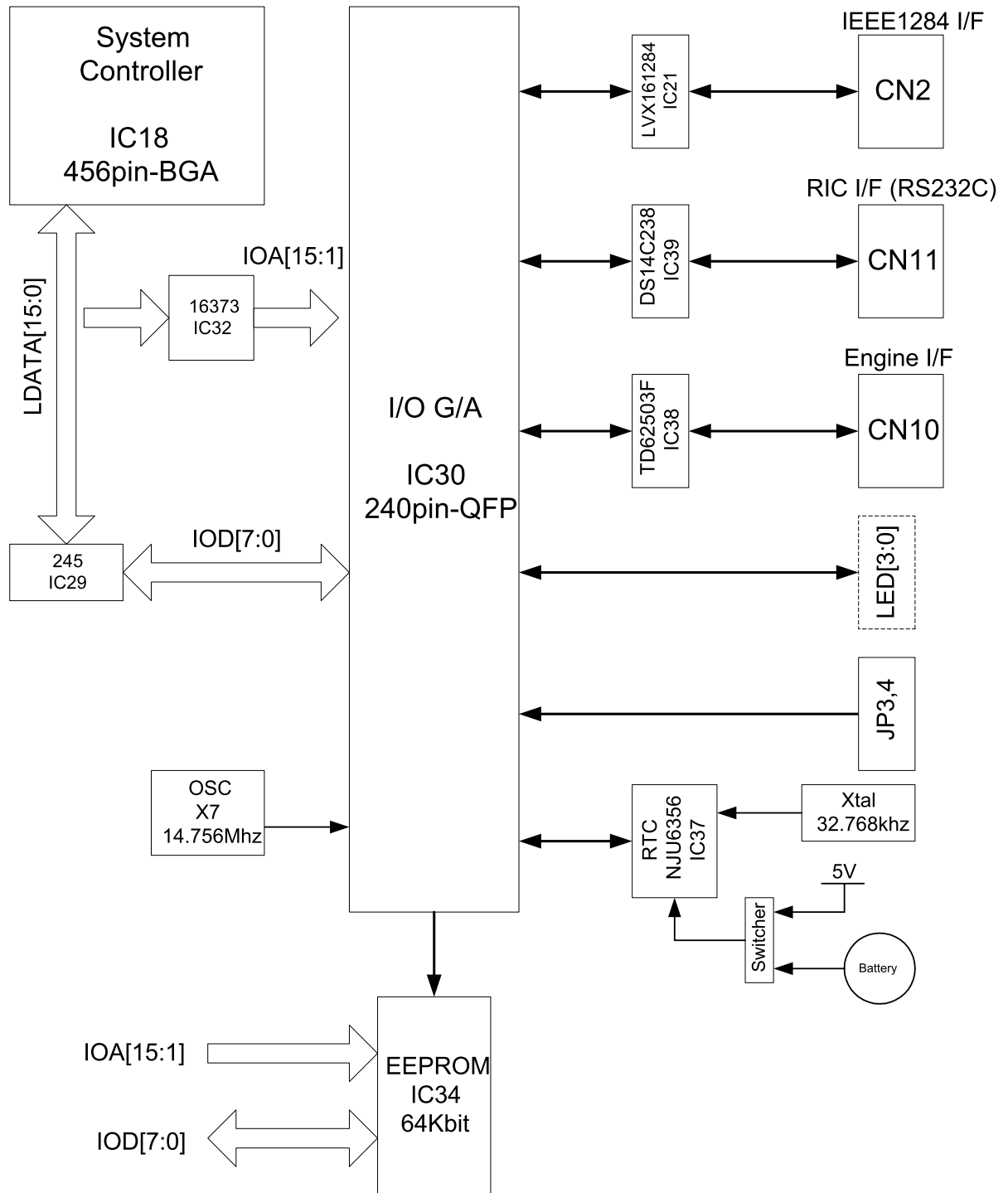


## PCI Block ( ICU & Option )

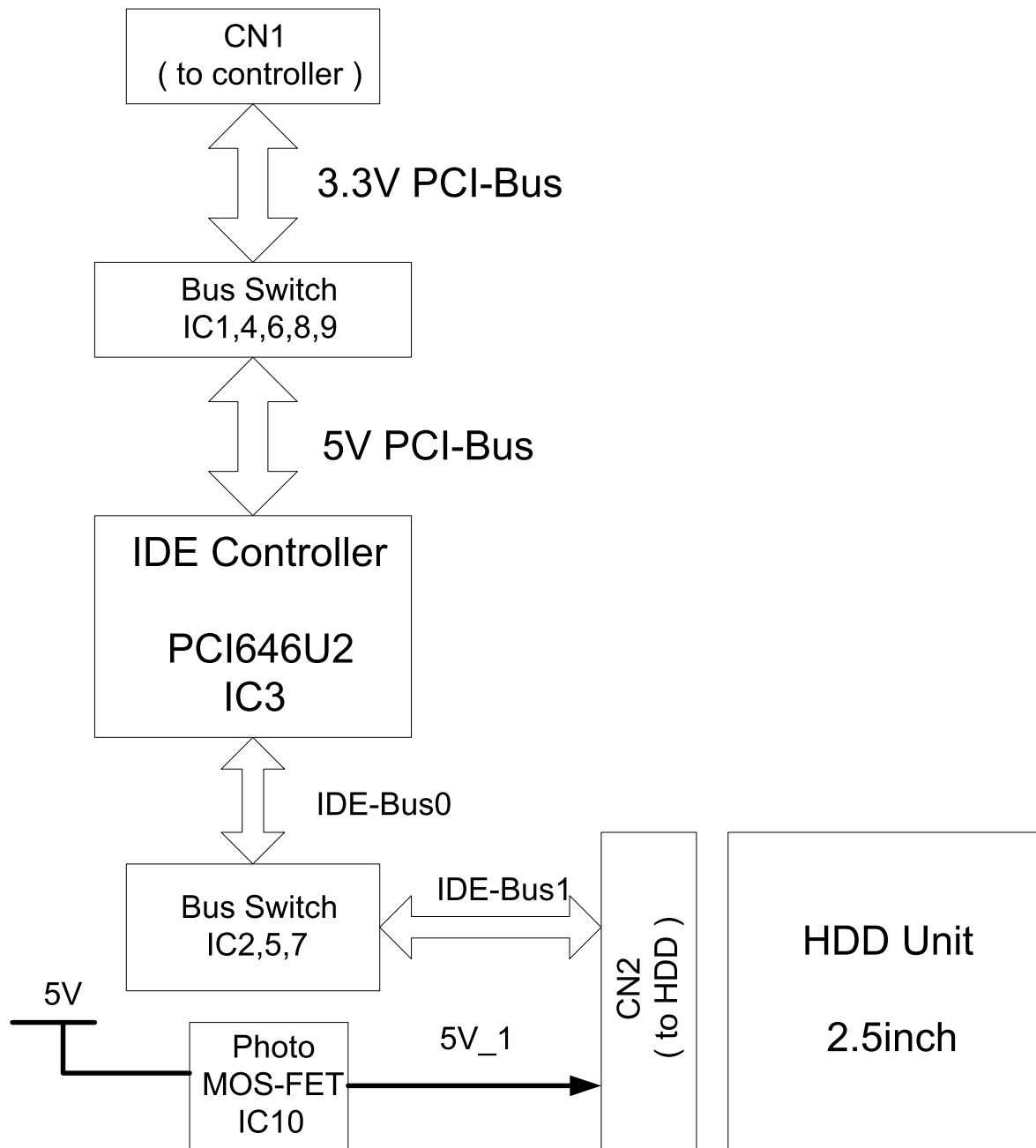
PCI-Bus



## I/O Block ( EEPROM & Misc I/O )

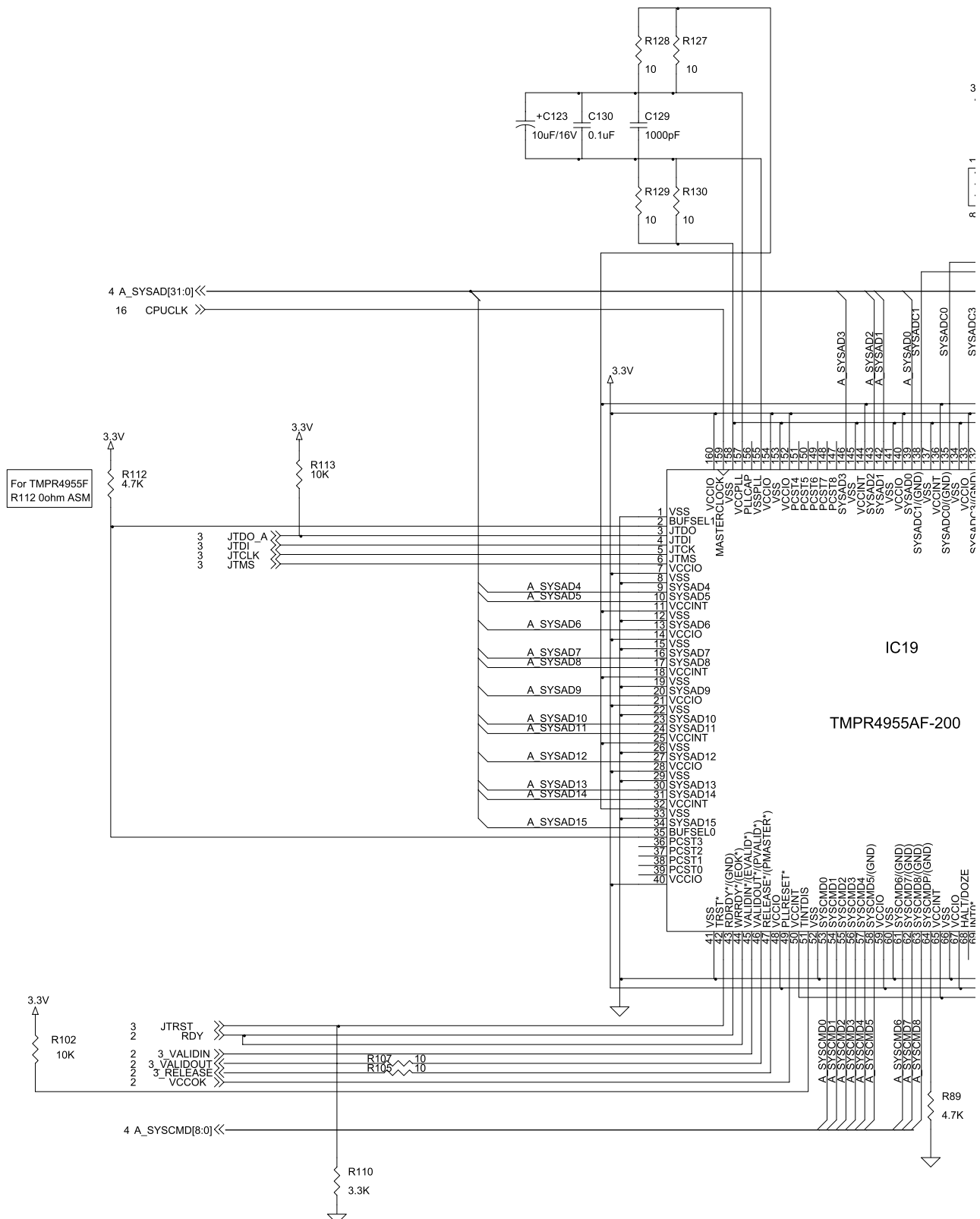


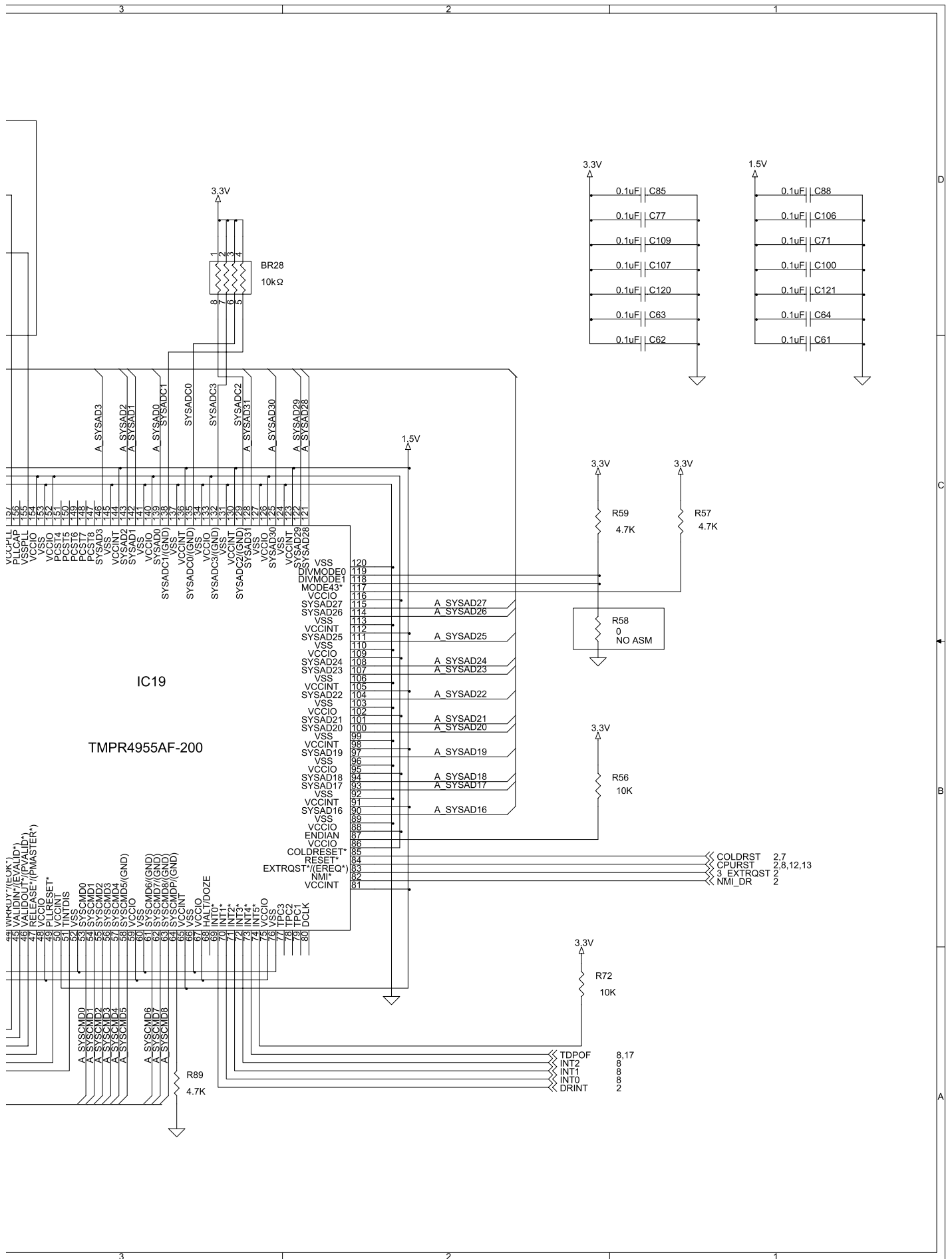
## HDD-PWB ( Option board )





## PRINTER CONTROL PWB (1/17) CPU

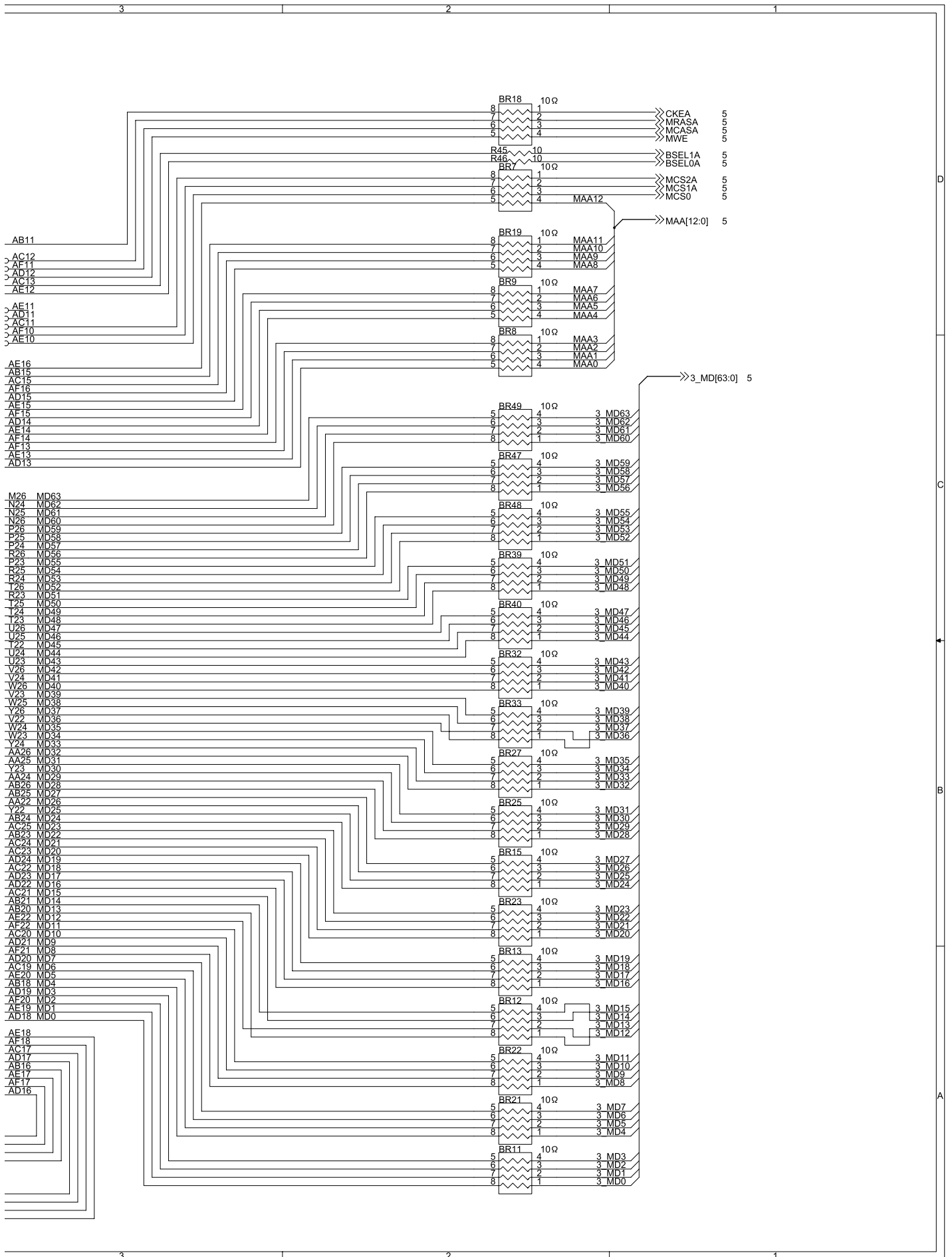




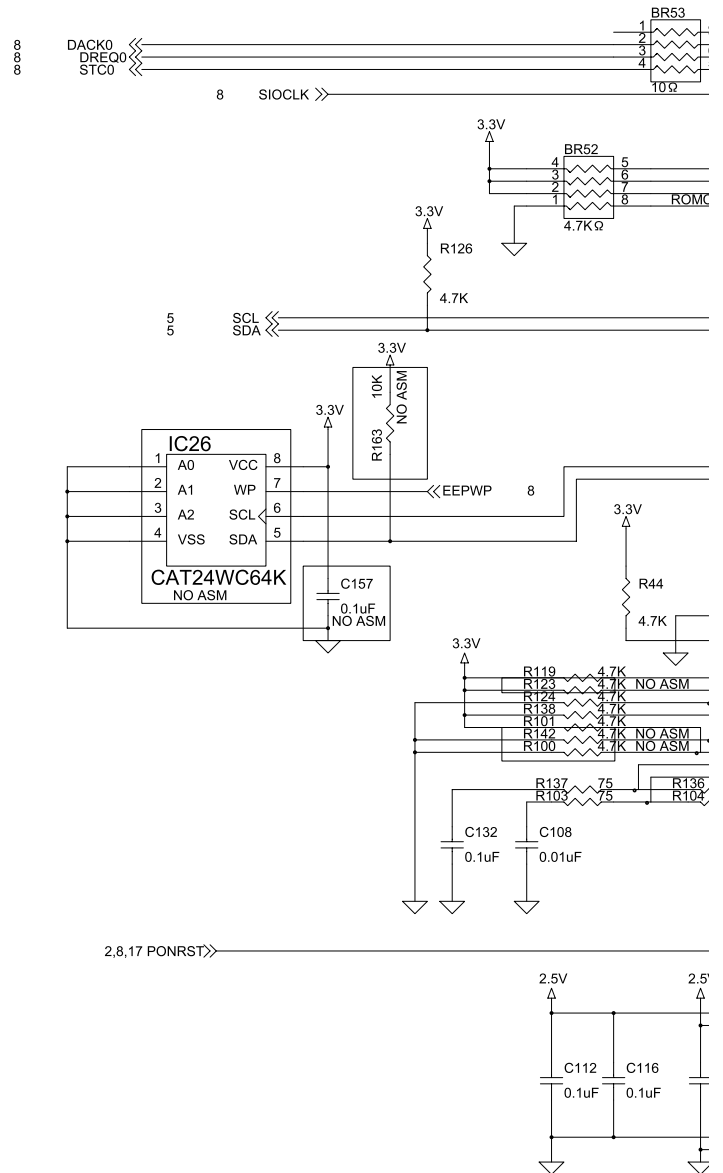
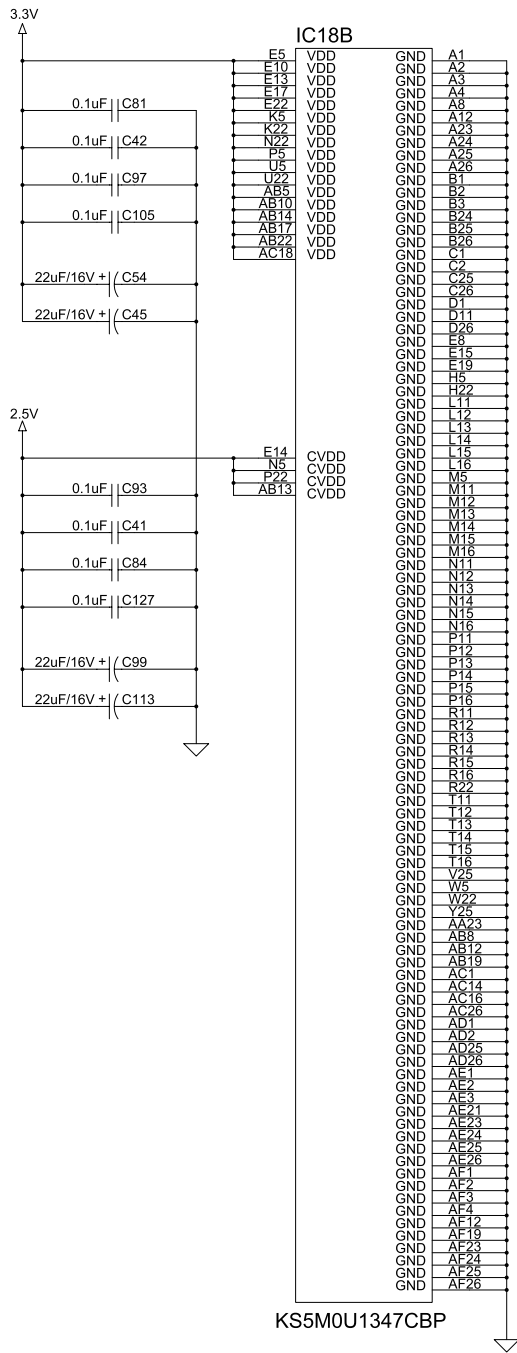


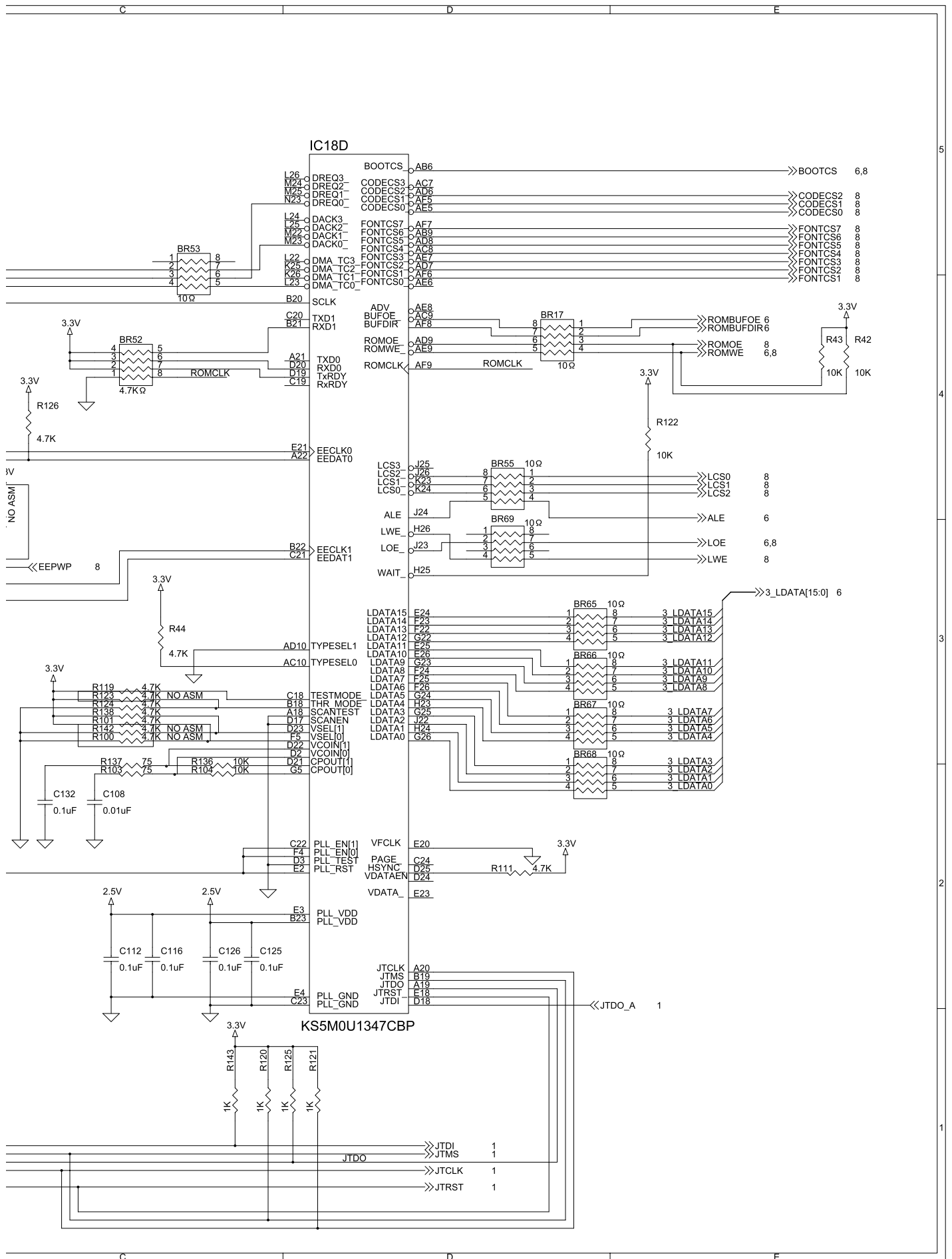
A vertical line with four points labeled A, B, C, and D from bottom to top. A horizontal arrow points to point C.



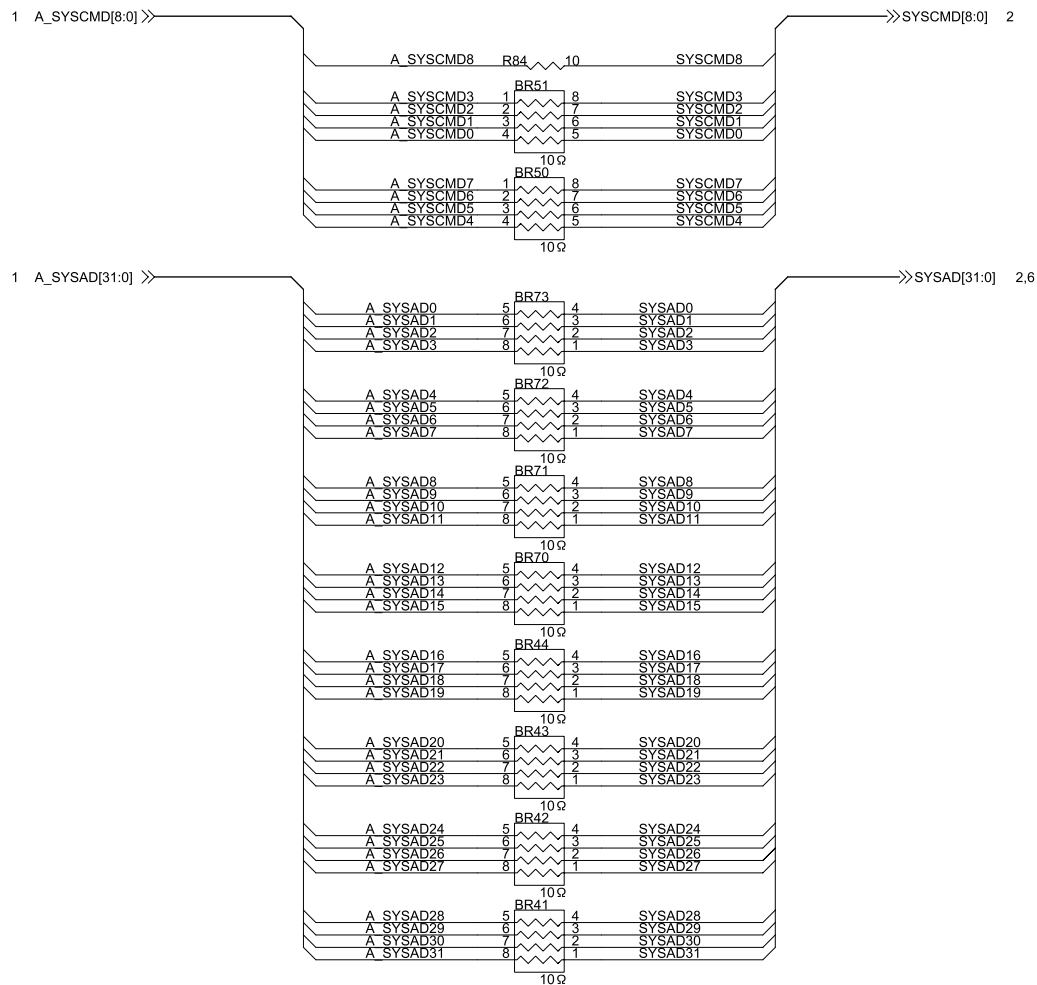


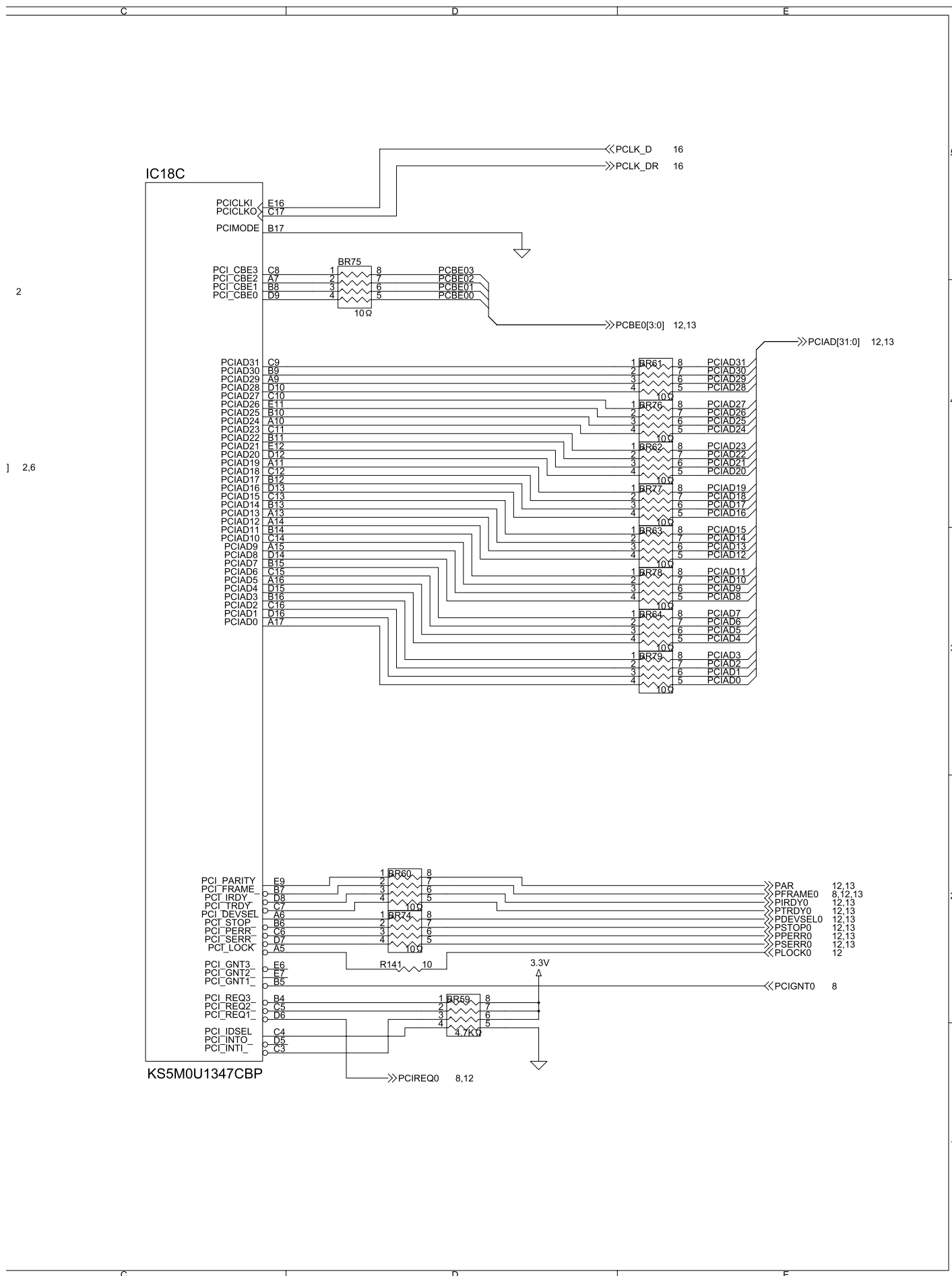
# PRINTER CONTROL PWB (3/17) ASIC (2/3)



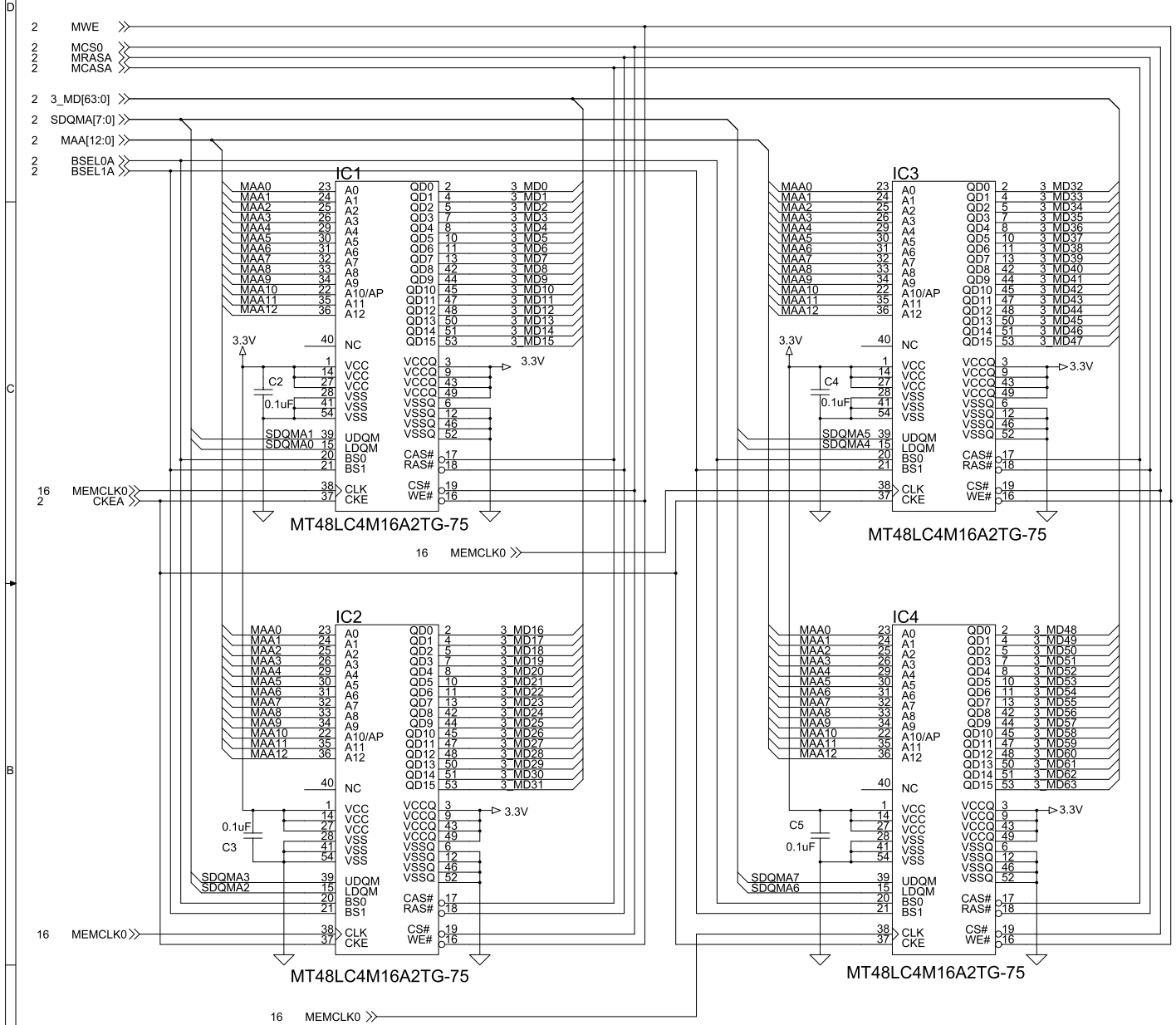


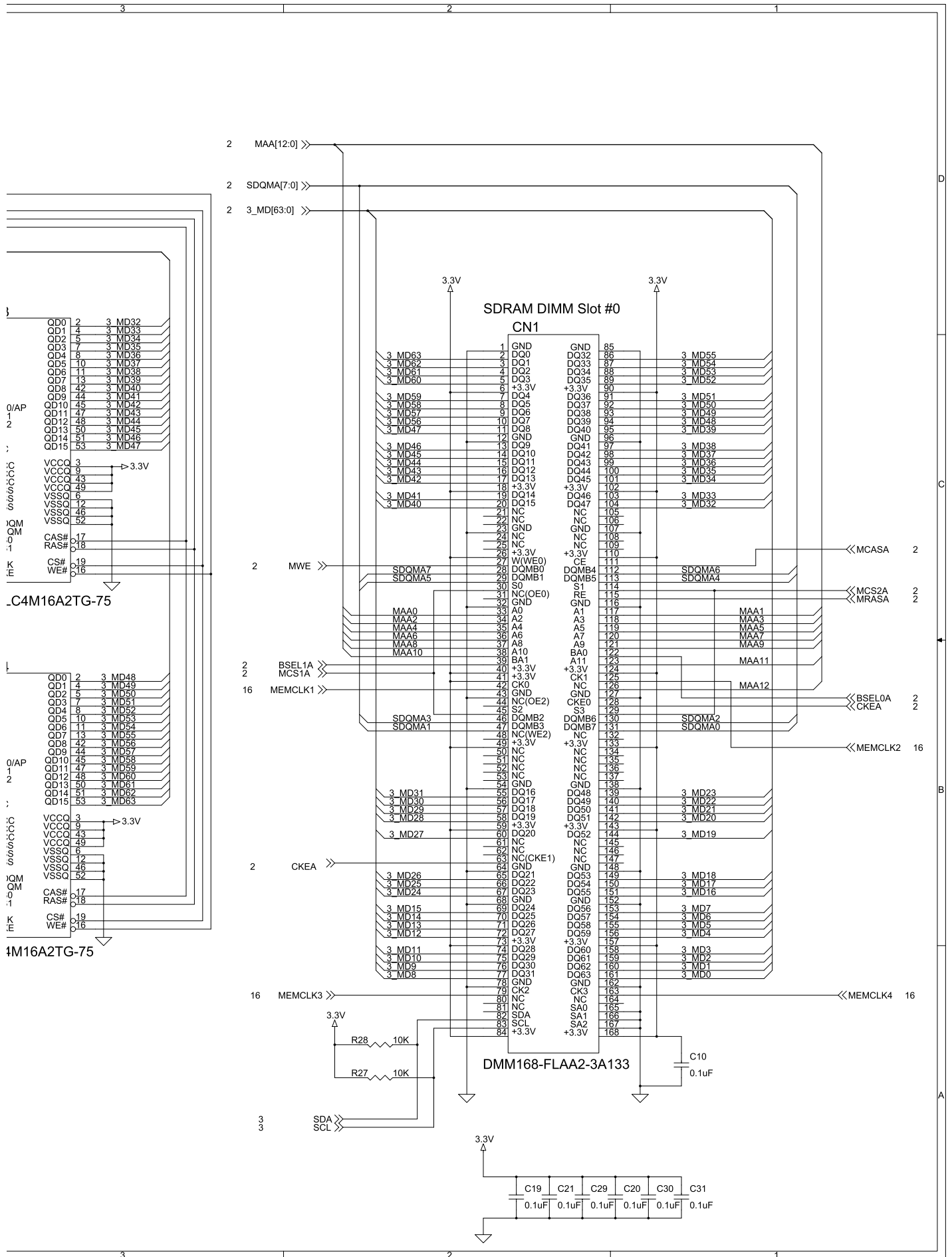
# PRINTER CONTROL PWB (4/17) ASIC (3/3)





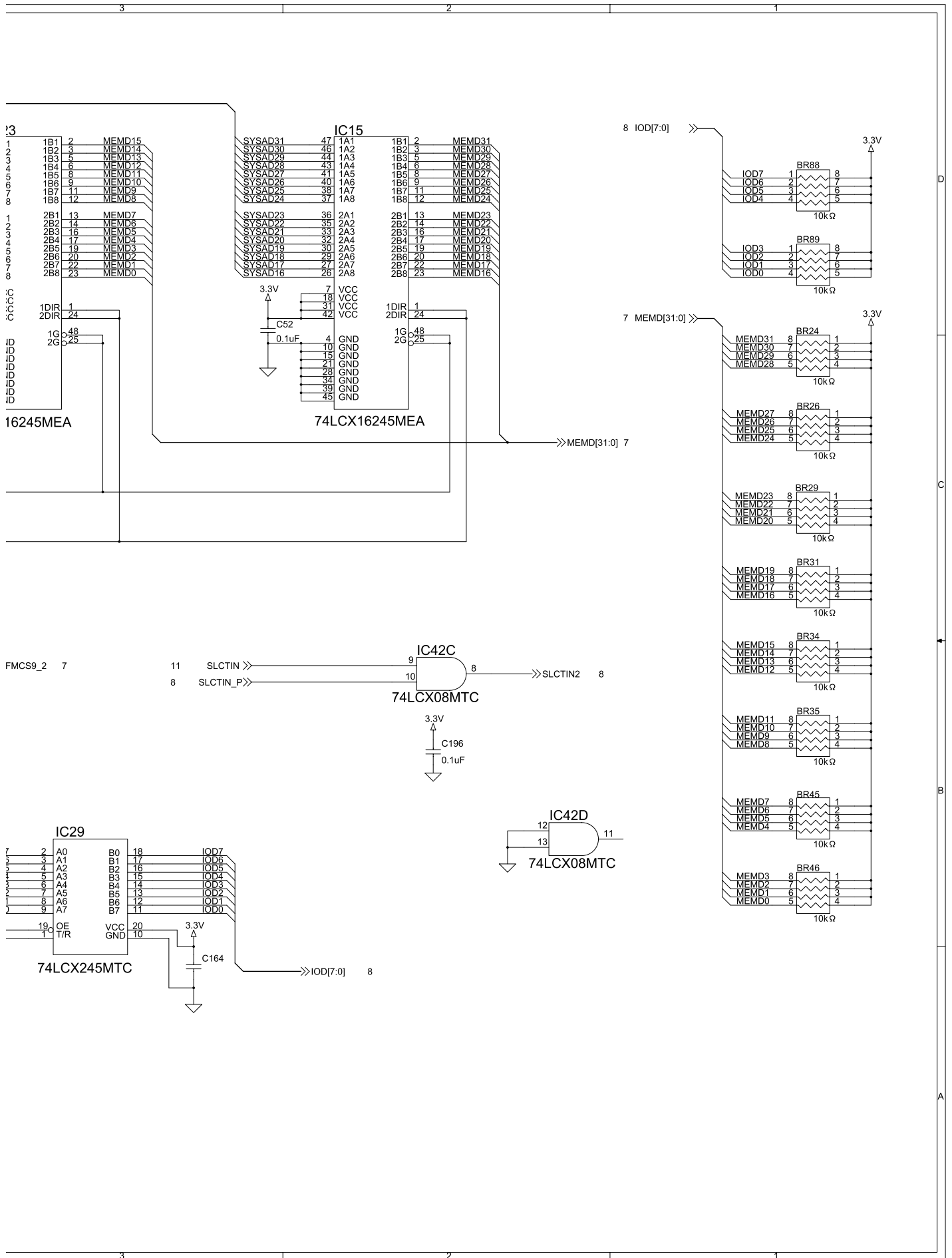
# PRINTER CONTROL PWB (5/17) SDRAM



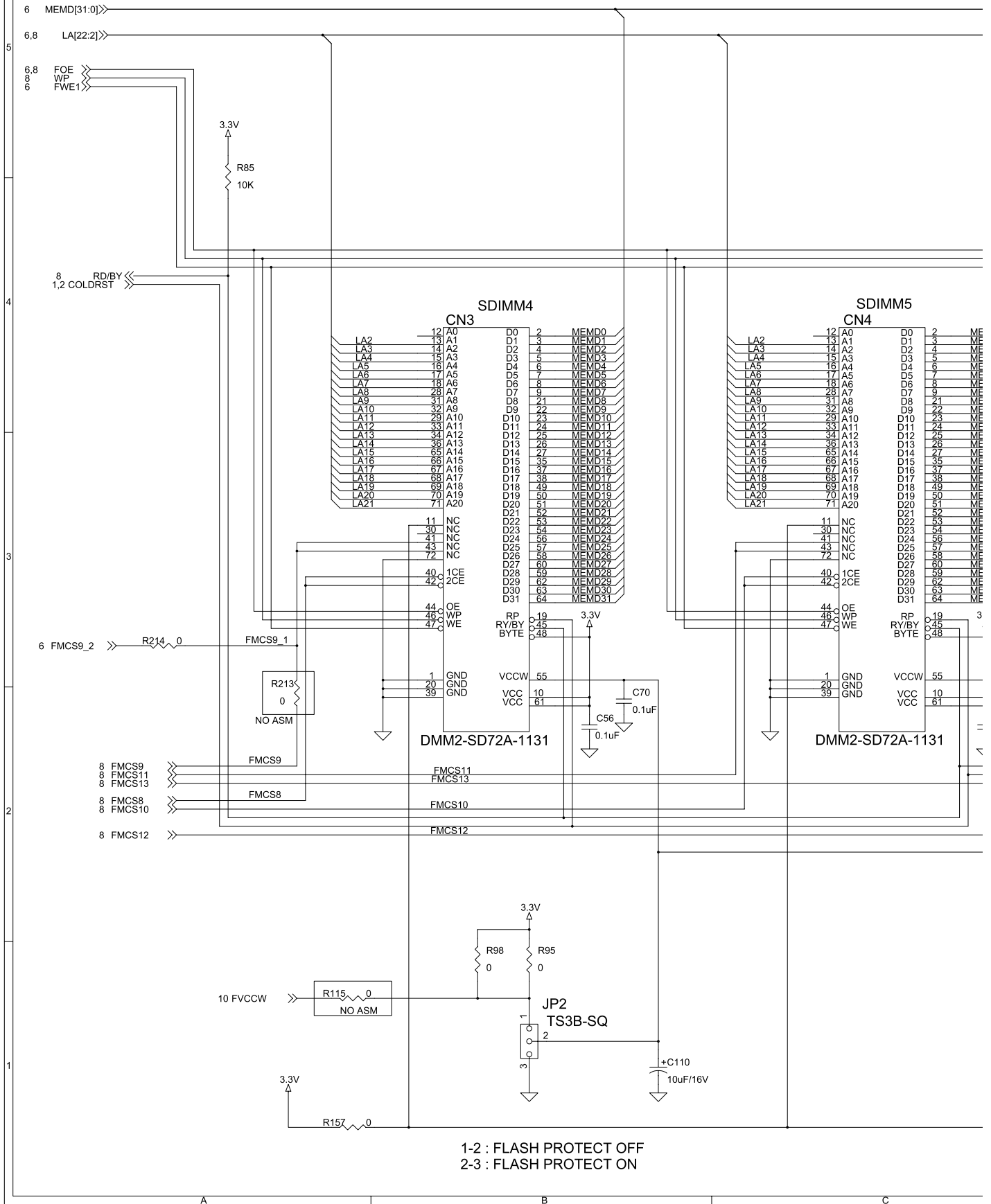


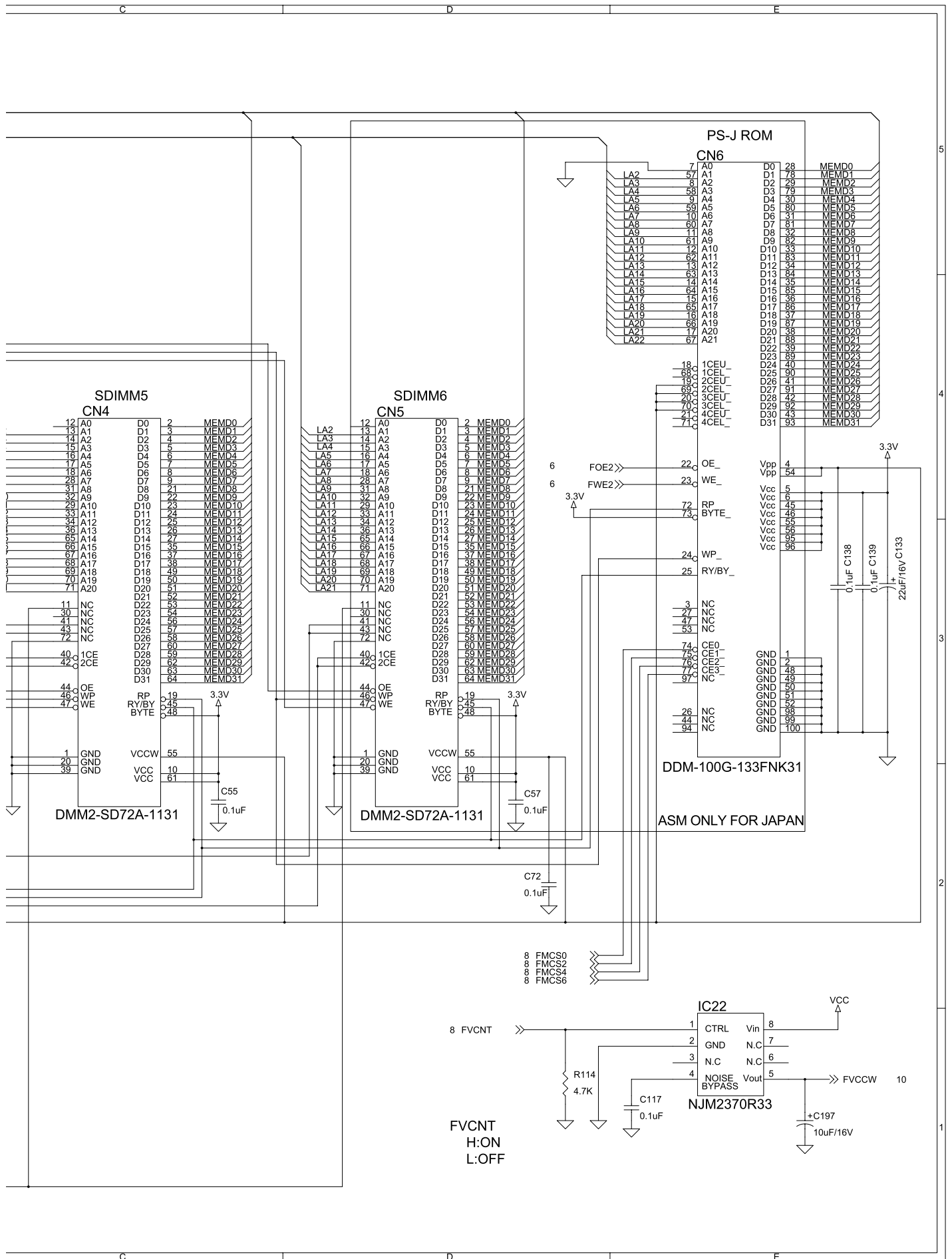




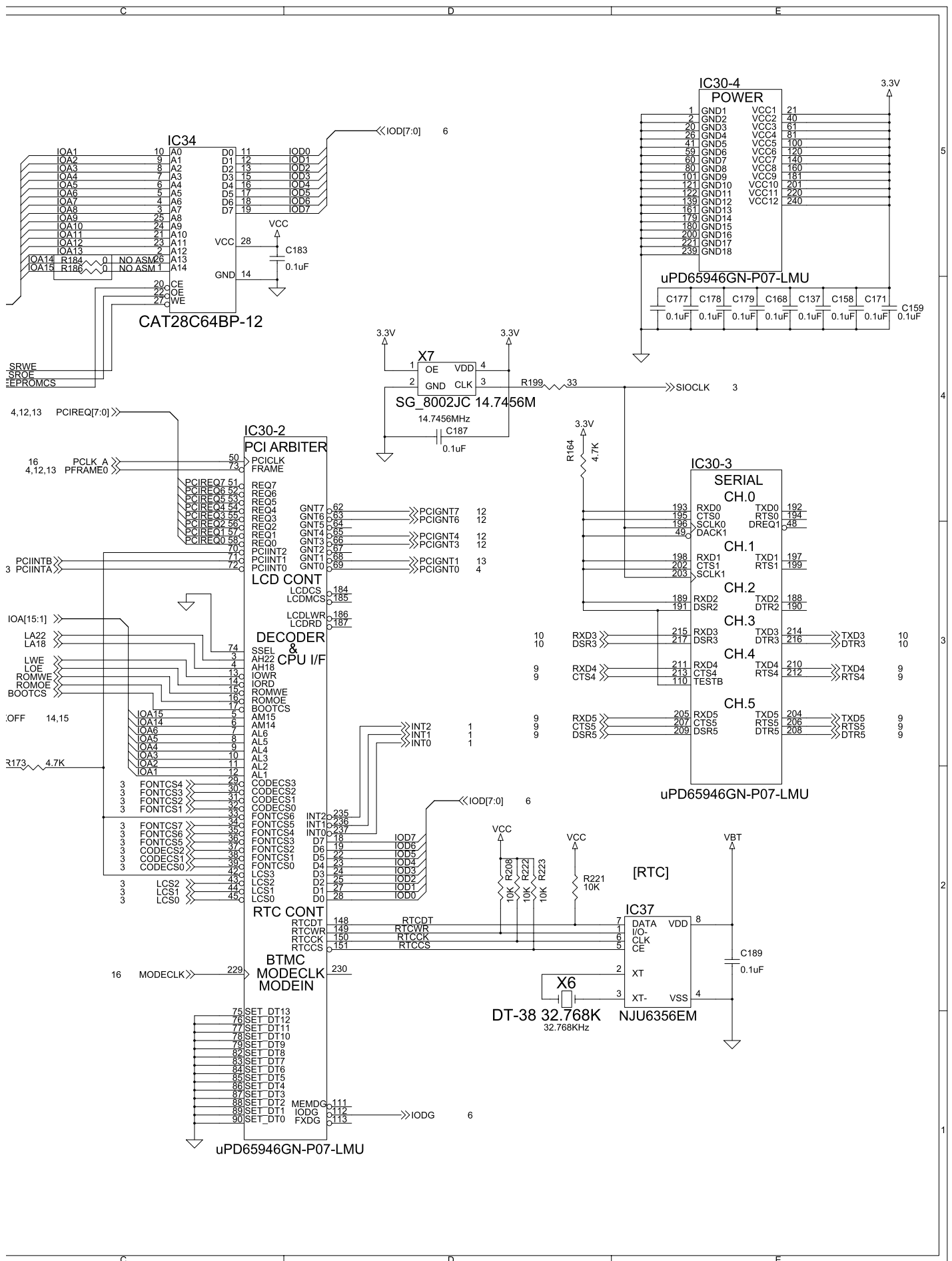


PRINTER CONTROL PWB (7/17)    FLASH DIMM

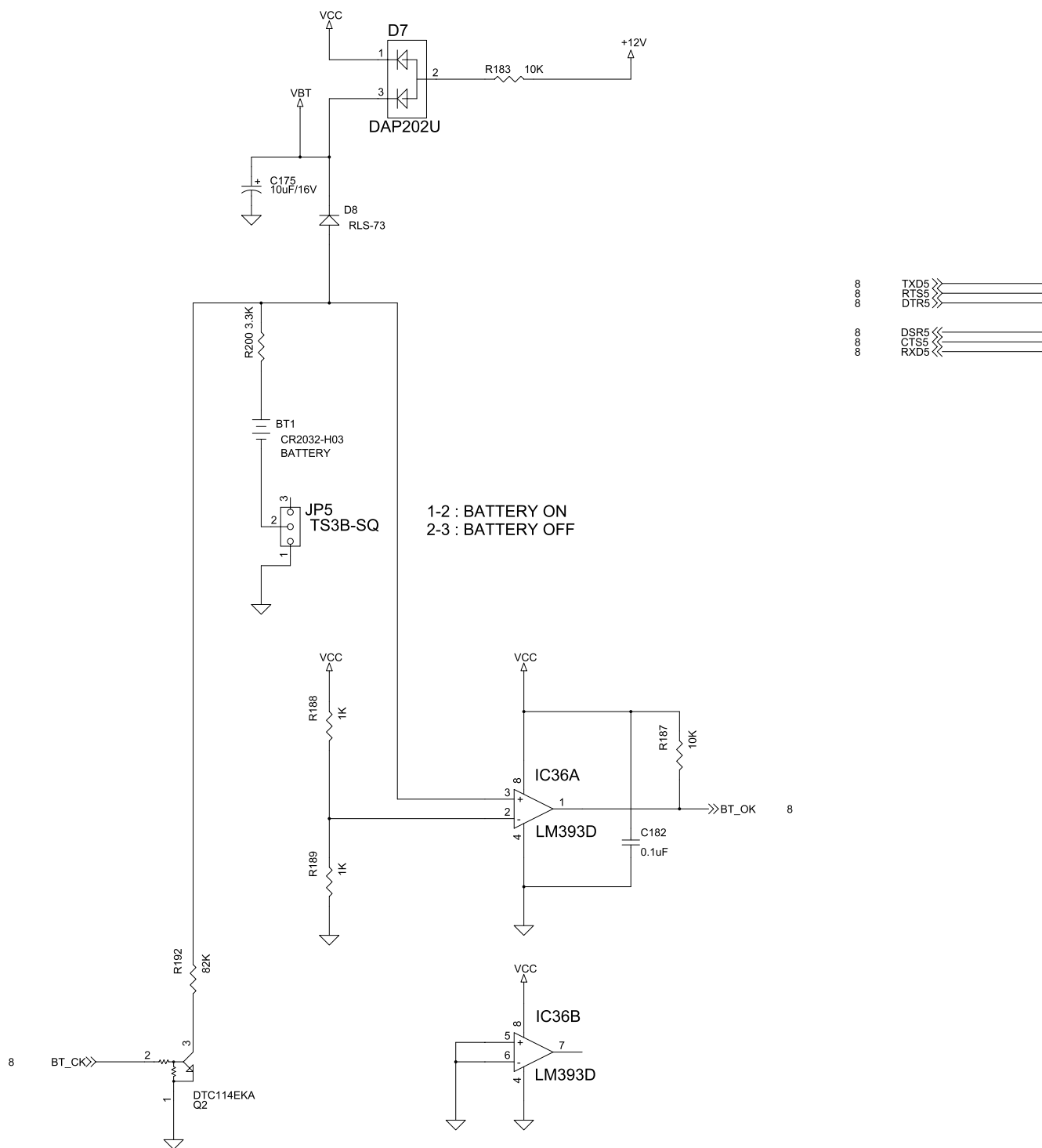


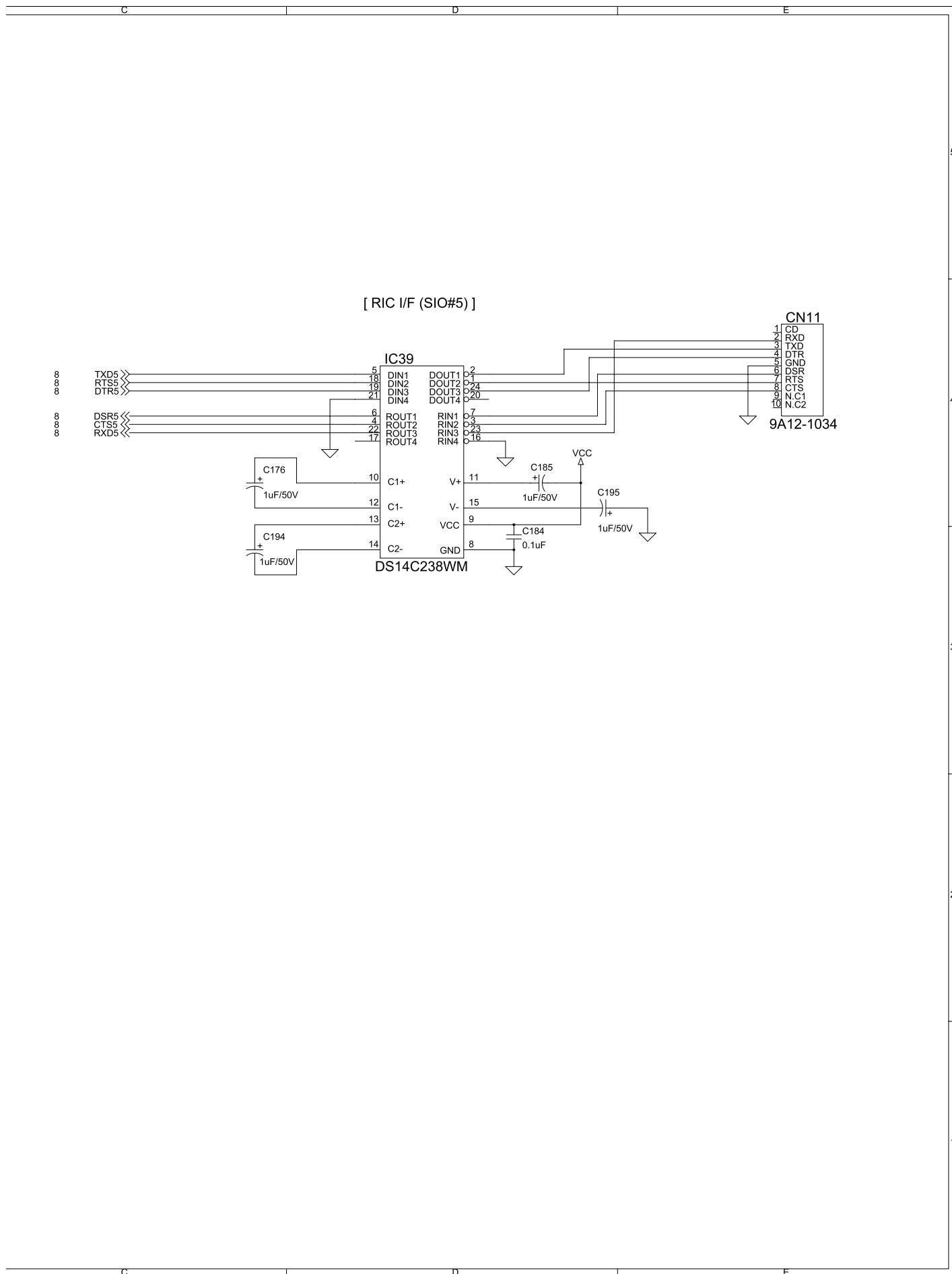






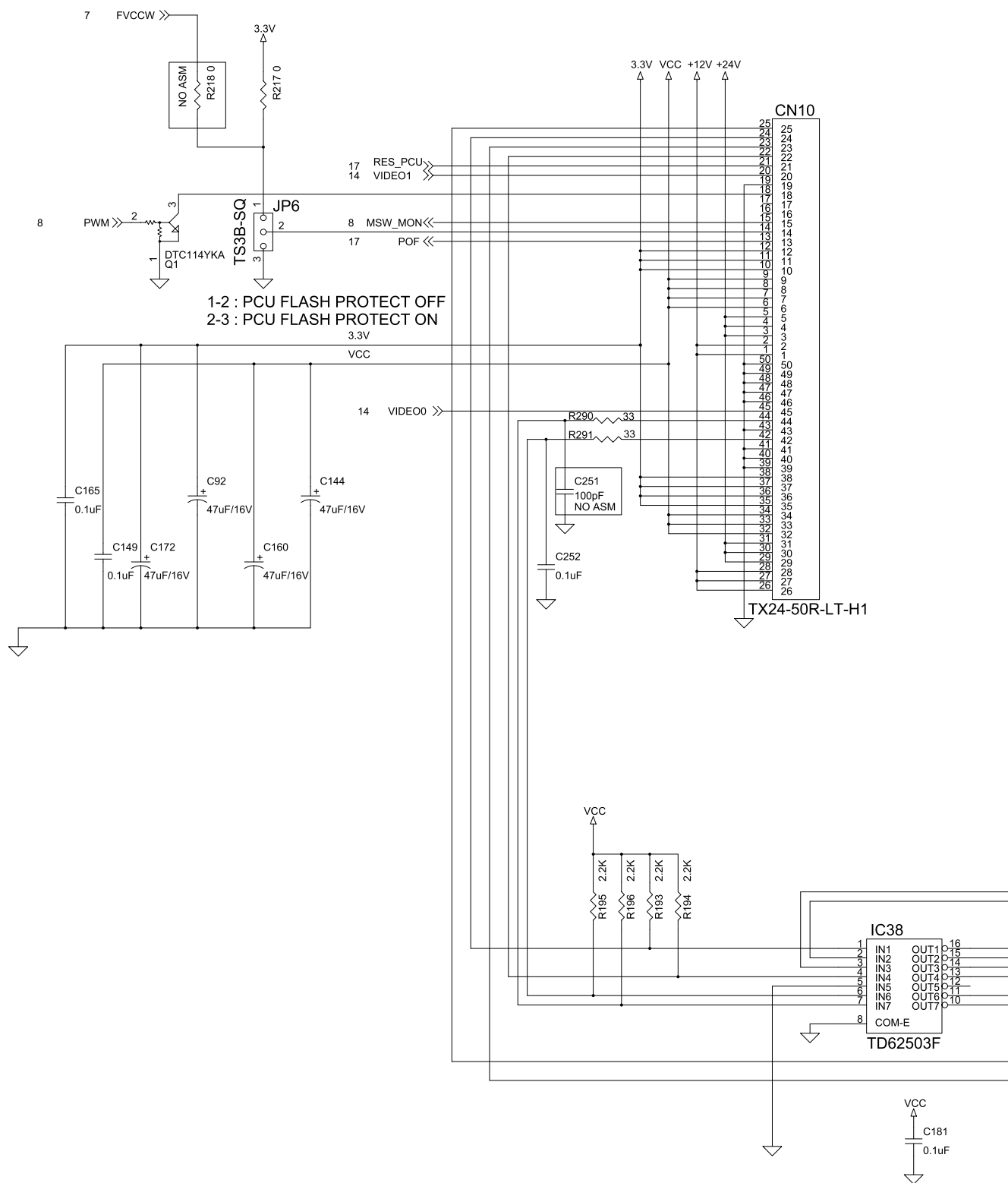
# PRINTER CONTROL PWB (9/17) BATTERY / SIO

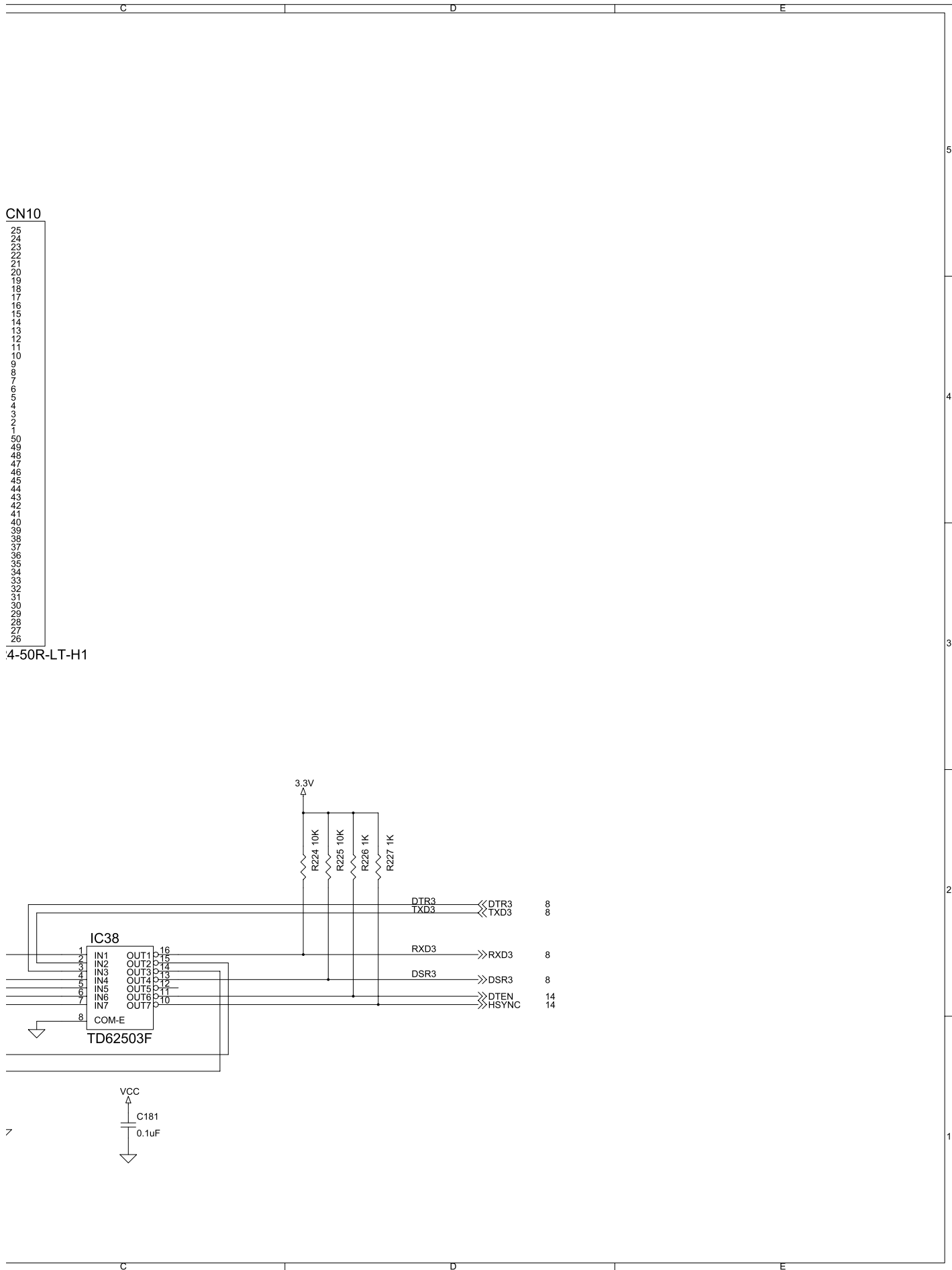






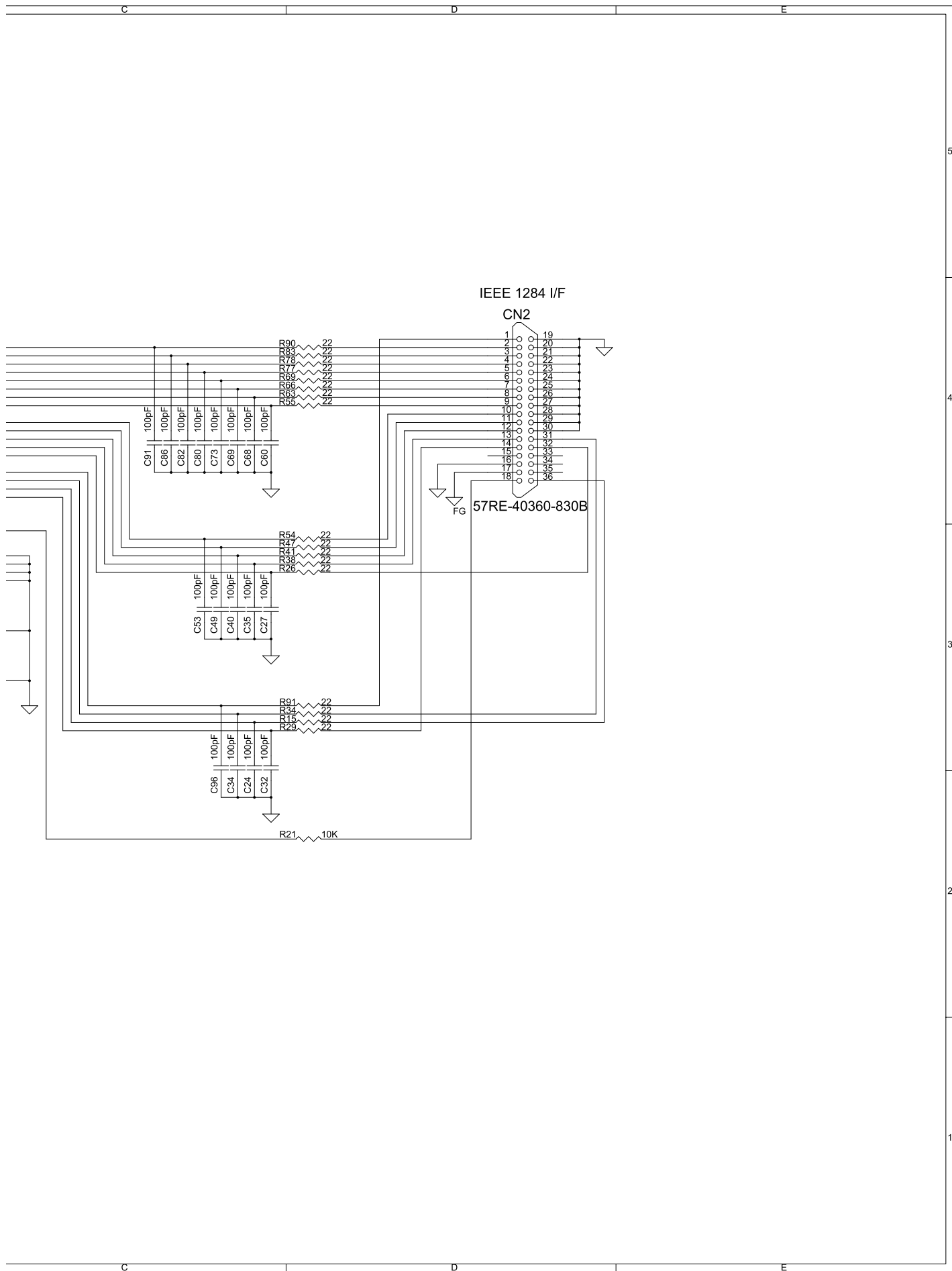
# PRINTER CONTROL PWB (10/17) ENGINE I / F



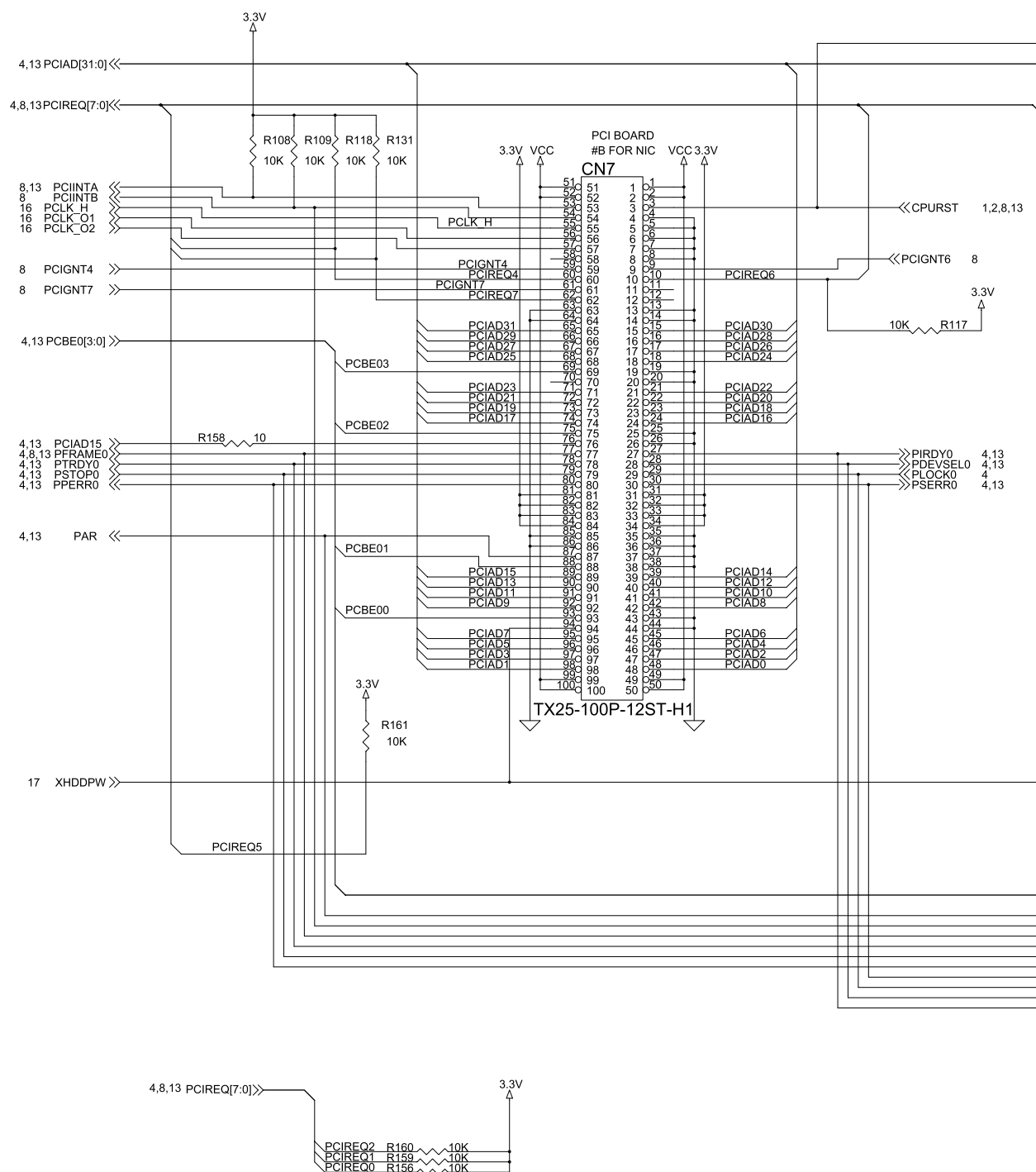


5  
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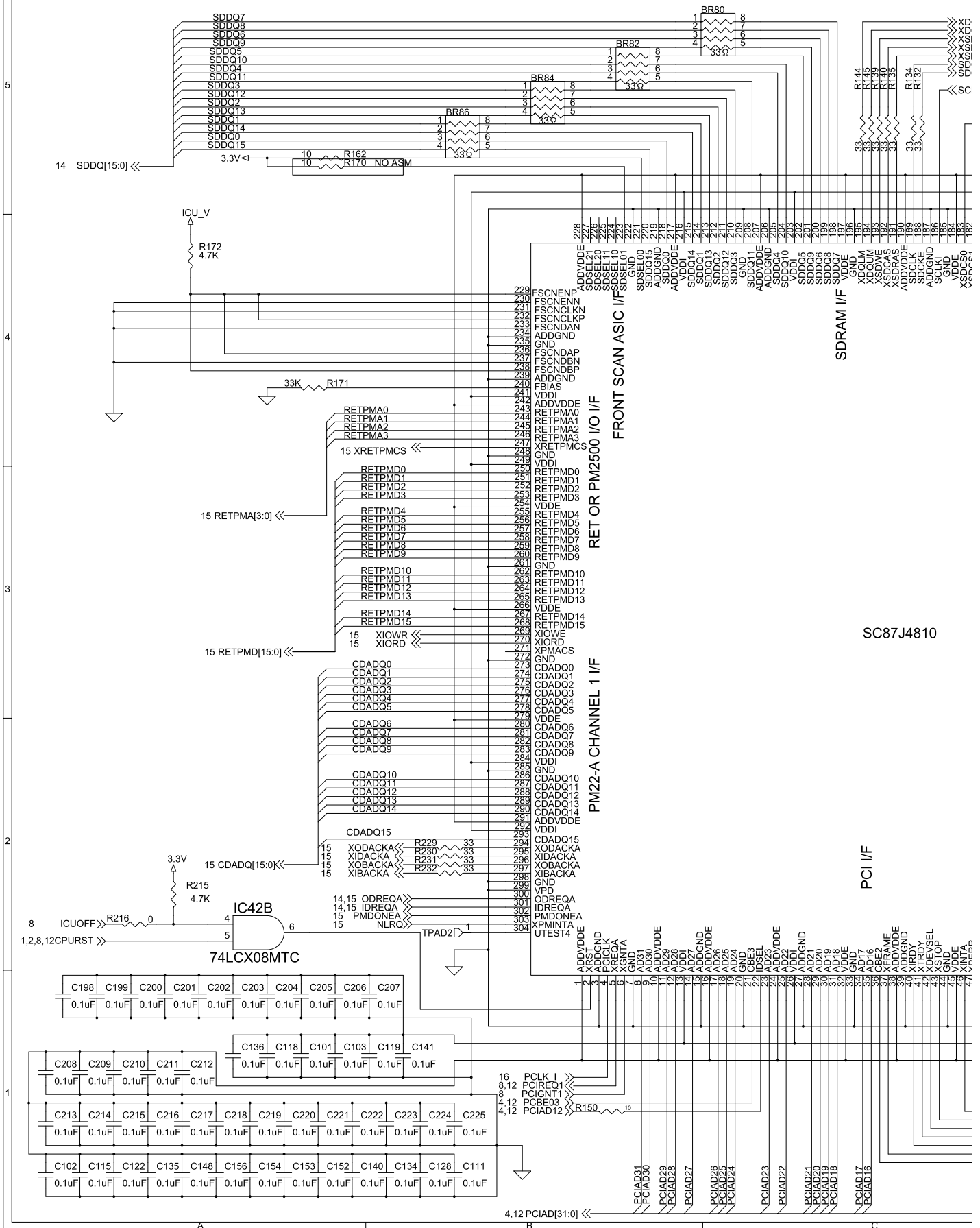


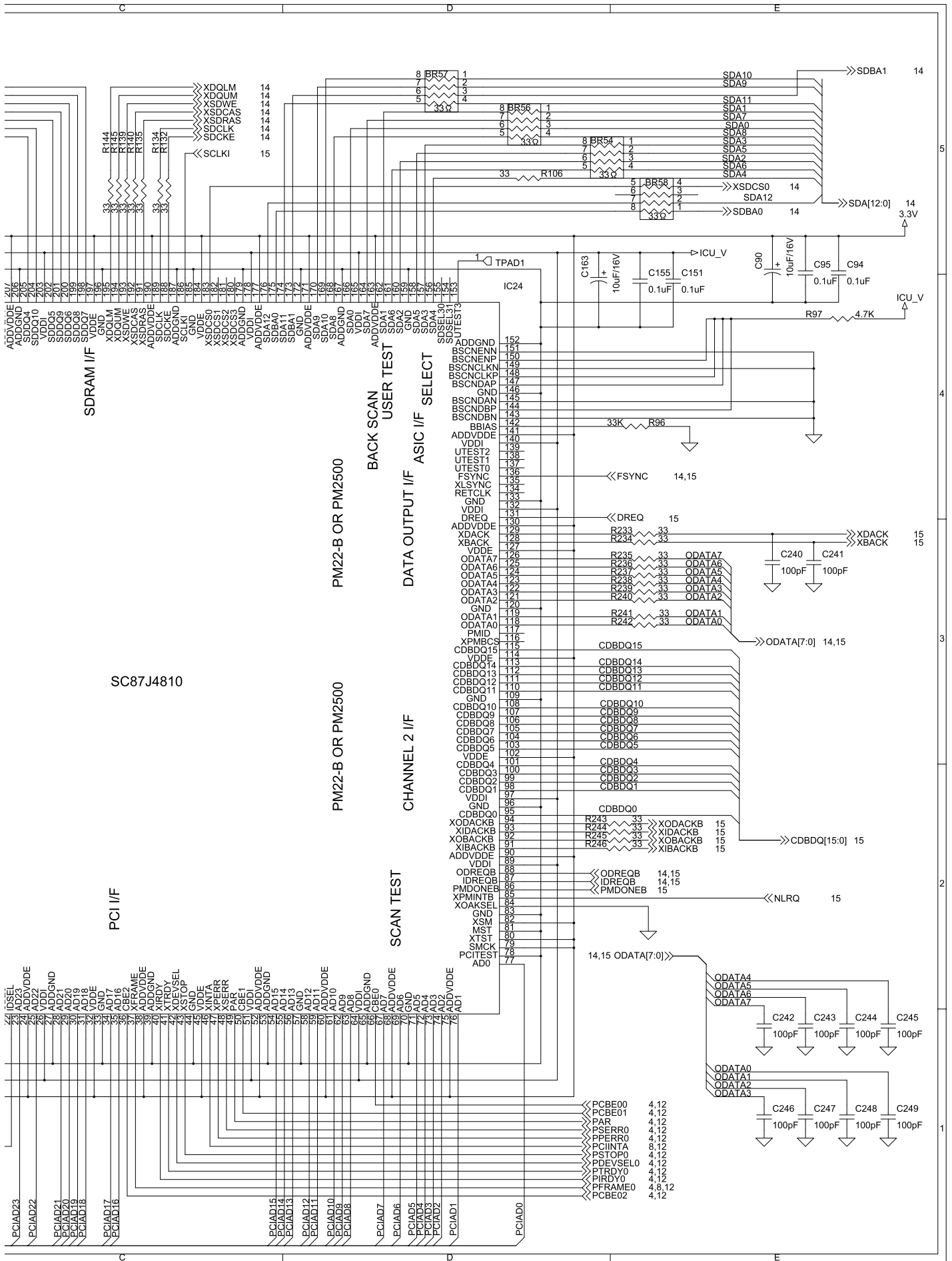
# PRINTER CONTROL PWB (12/17)    PCI BOARD CONNECTOR





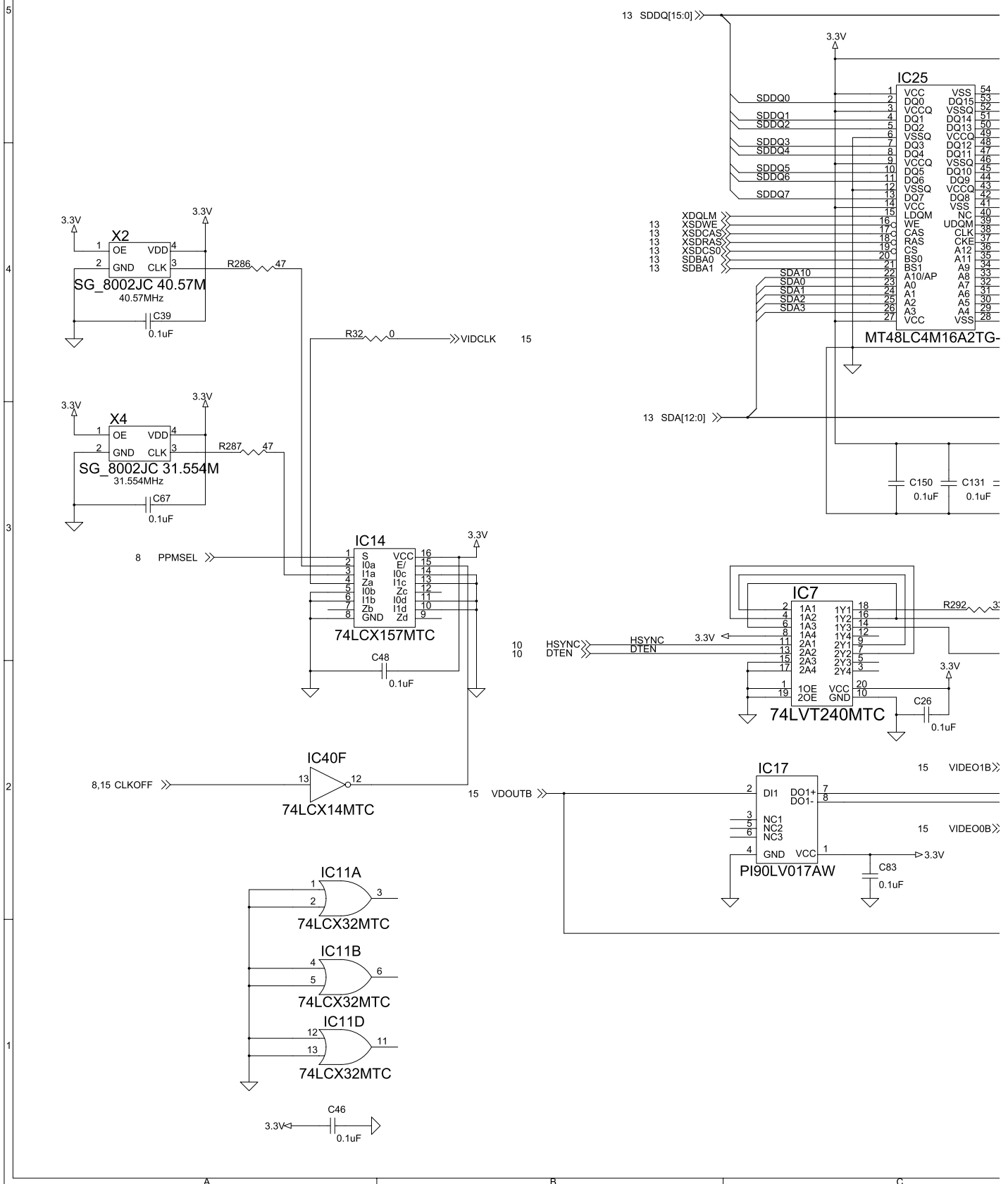
# PRINTER CONTROL PWB (13/17) ICU ASIC

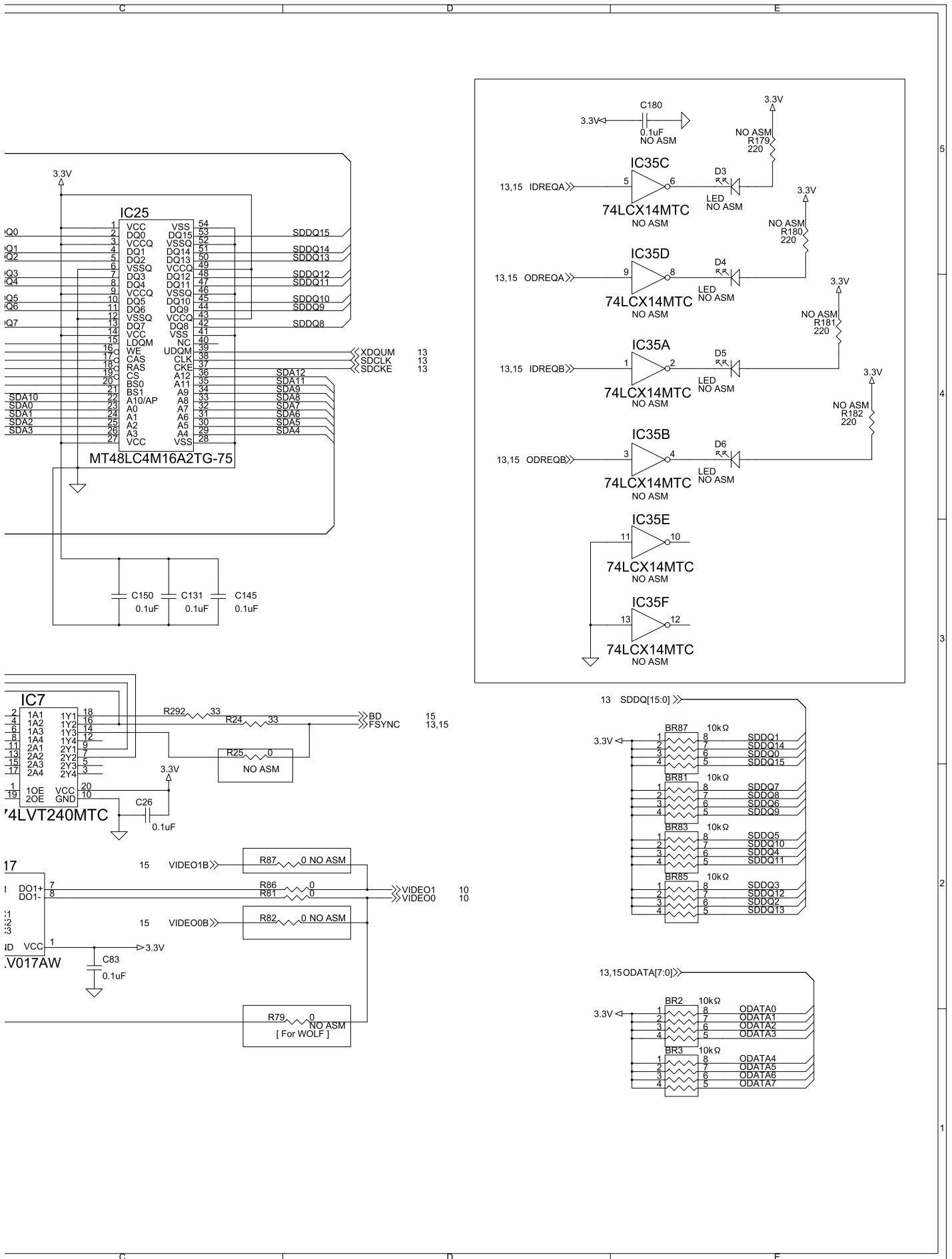




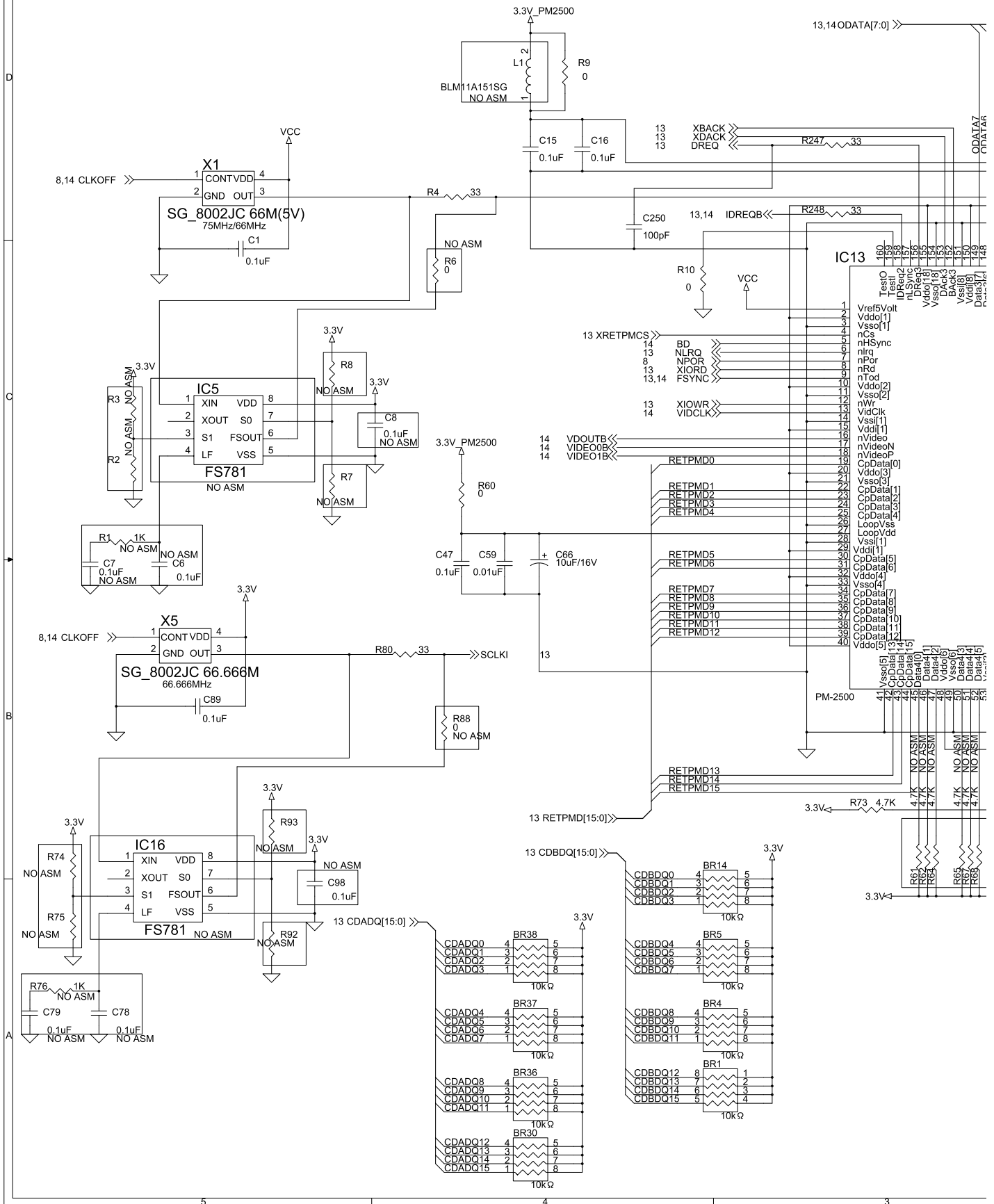


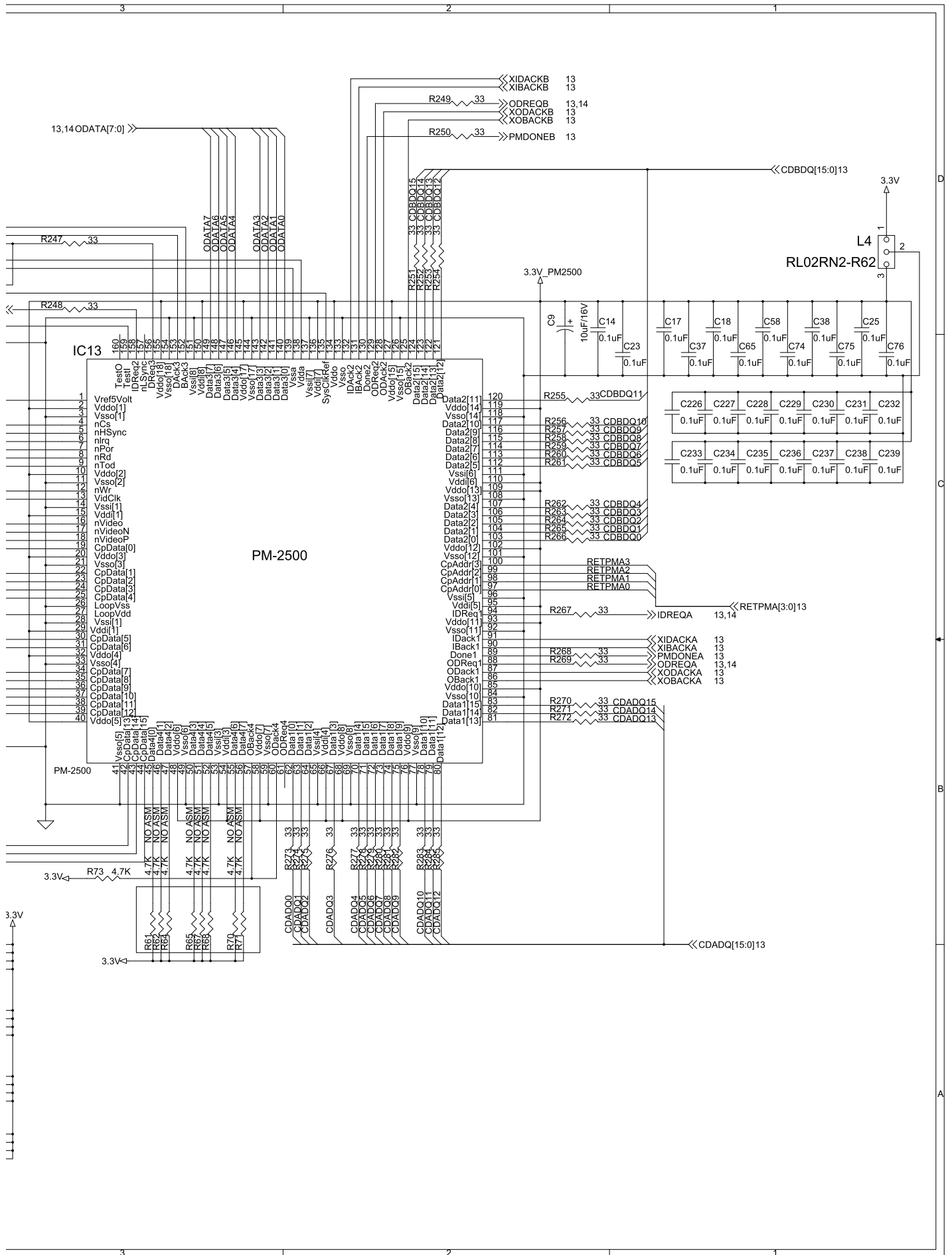
# PRINTER CONTROL PWB (14/17)    ICU SDRAM





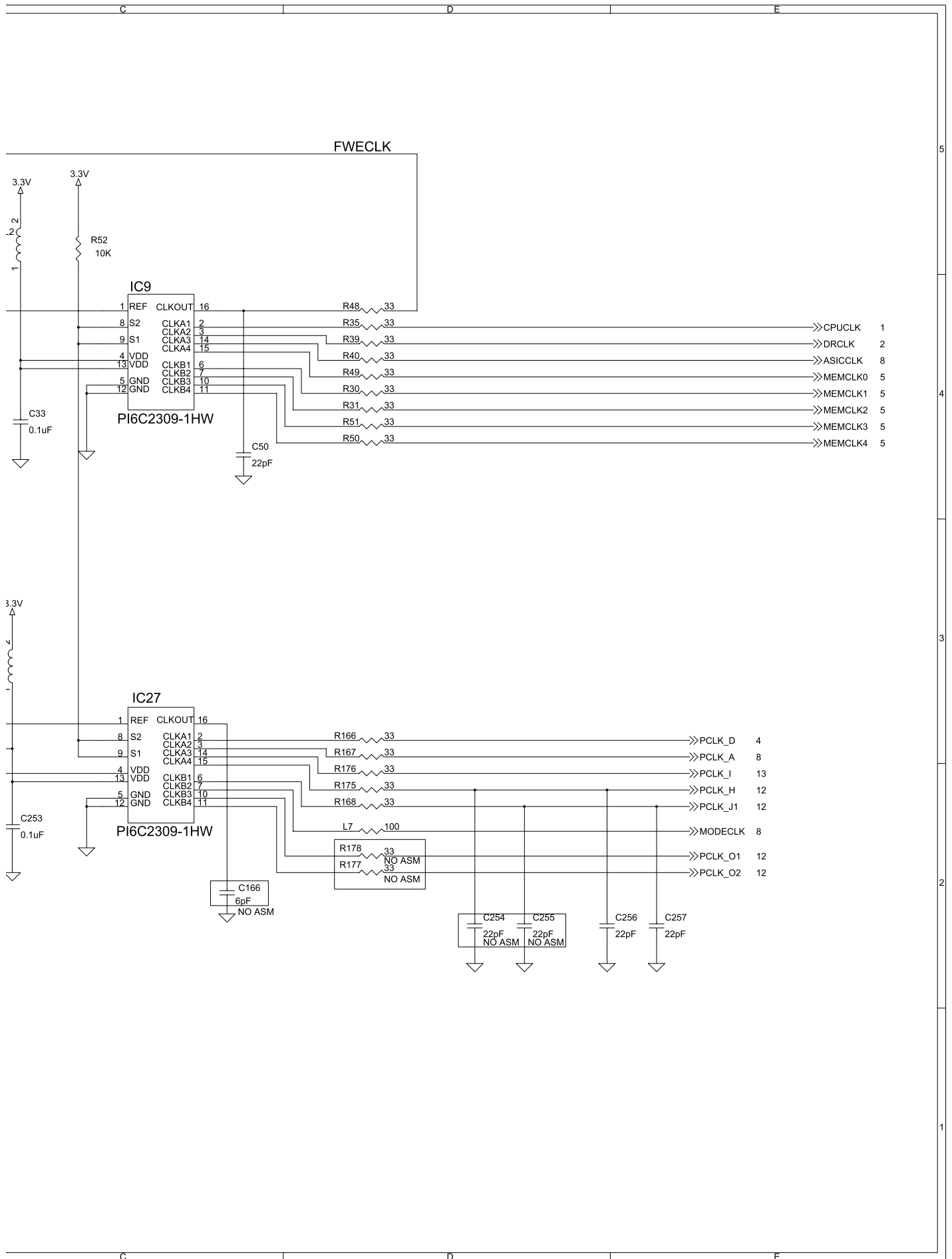
# PRINTER CONTROL PWB (15/17) PM-2500



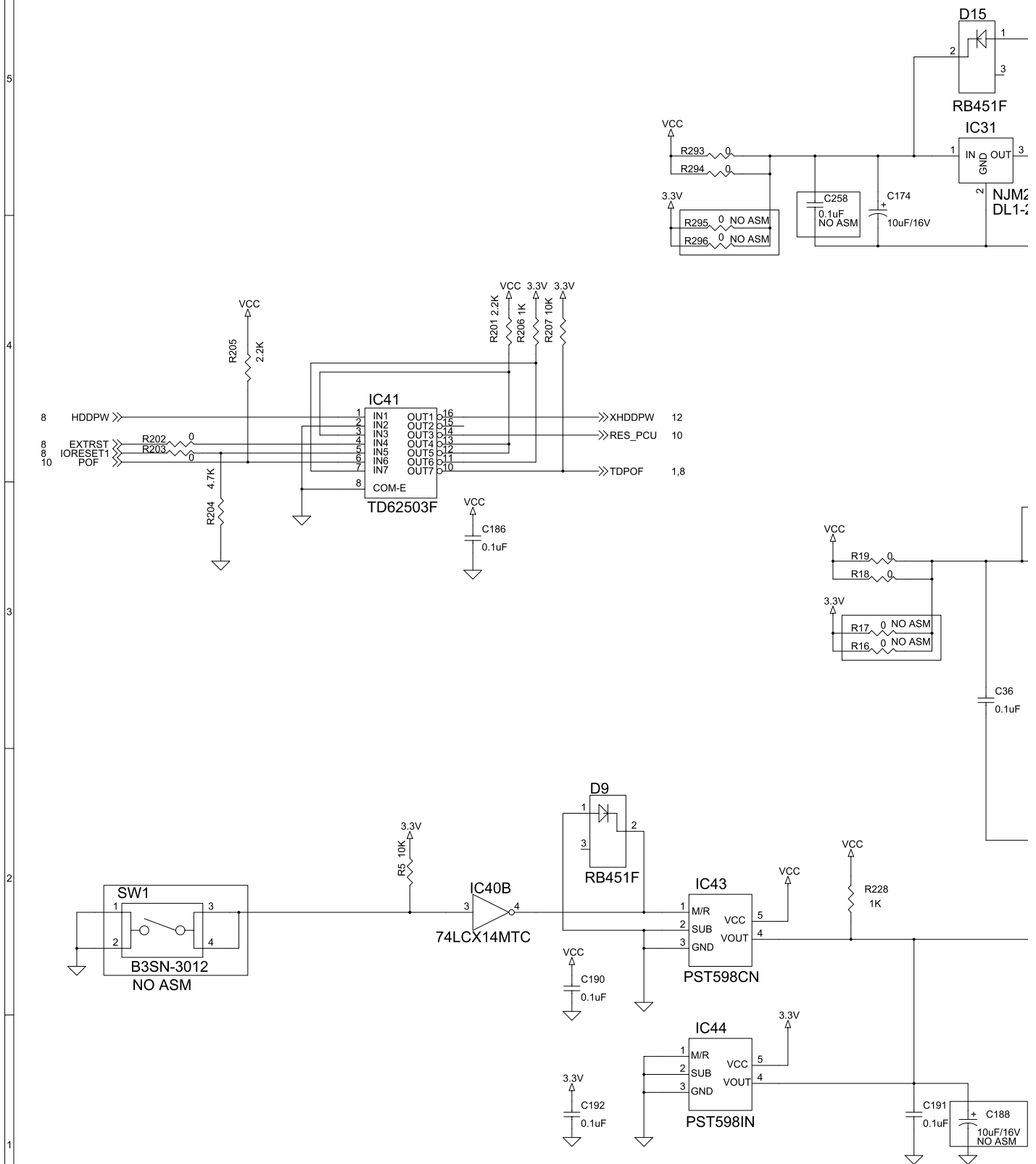


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1

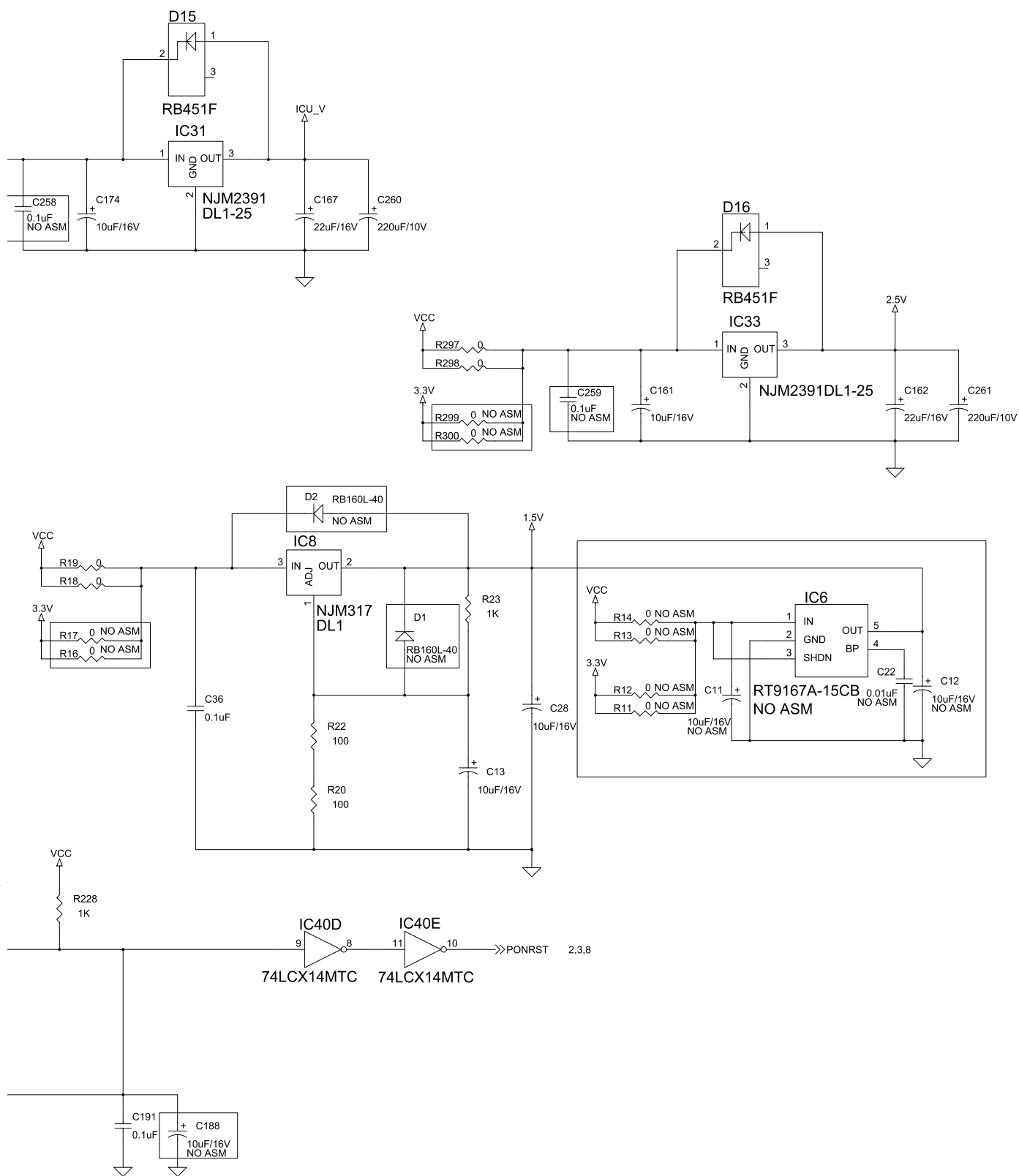




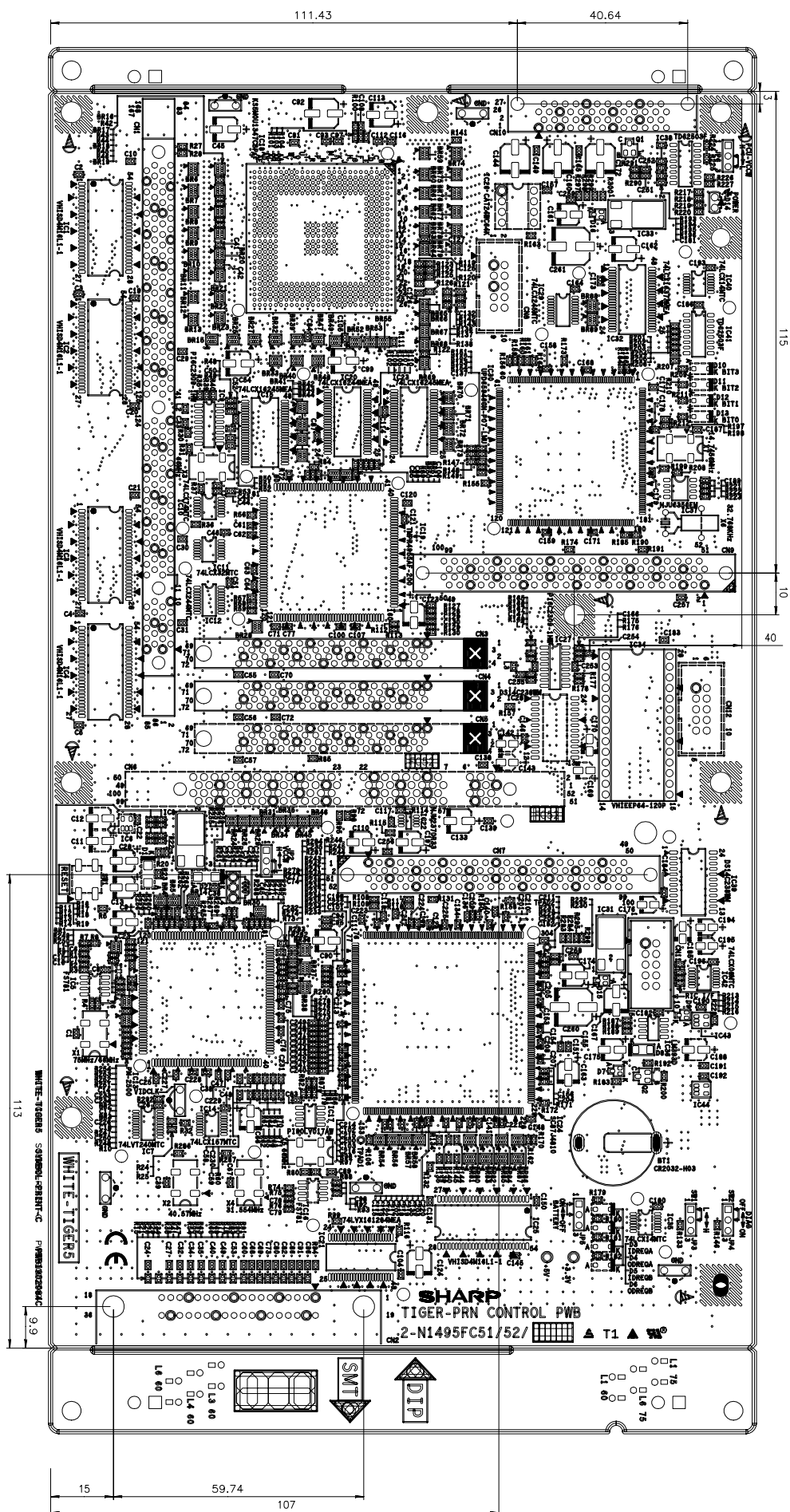
## PRINTER CONTROL PWB (17/17) POWER / RESET CIRCUIT



IT

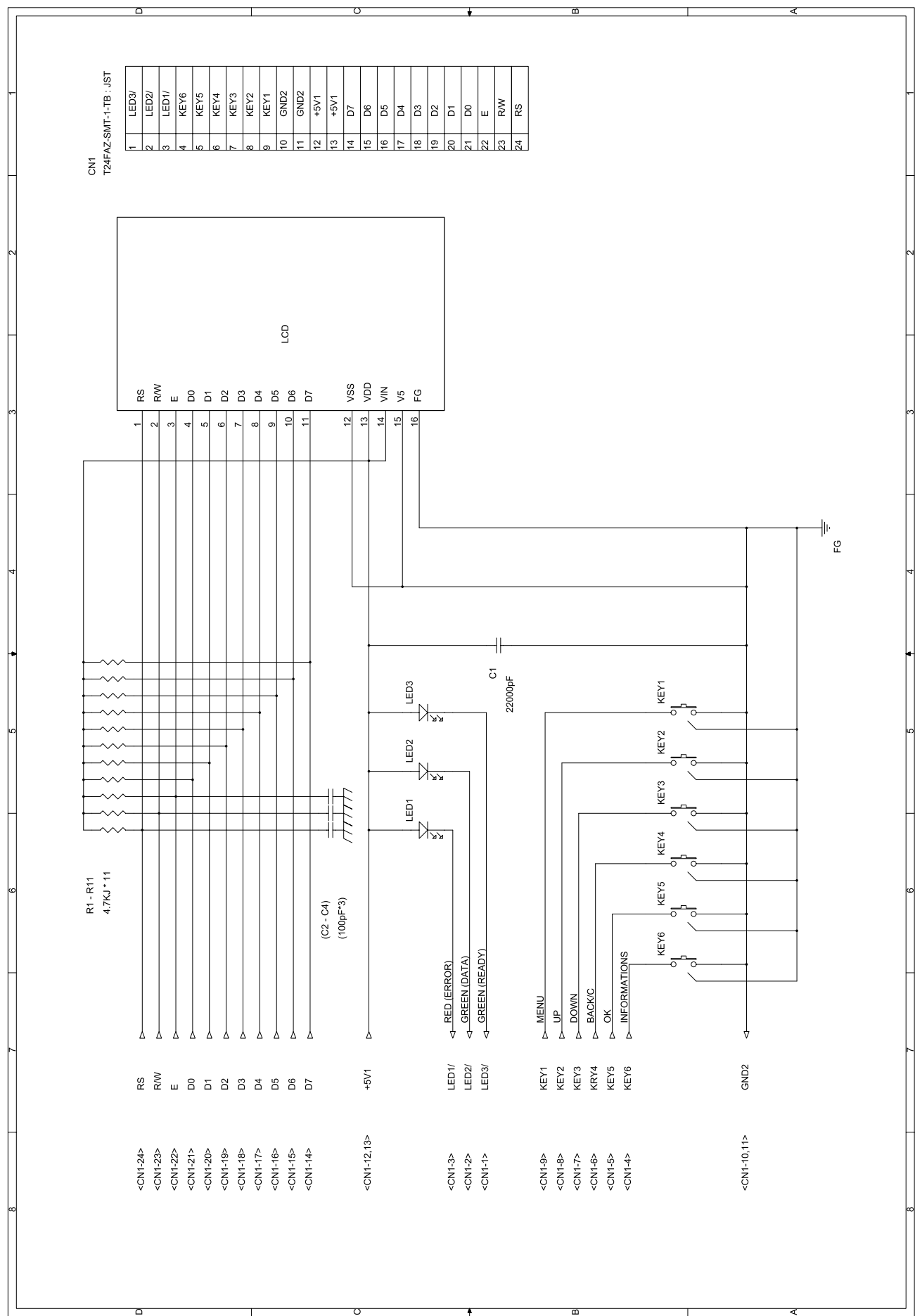




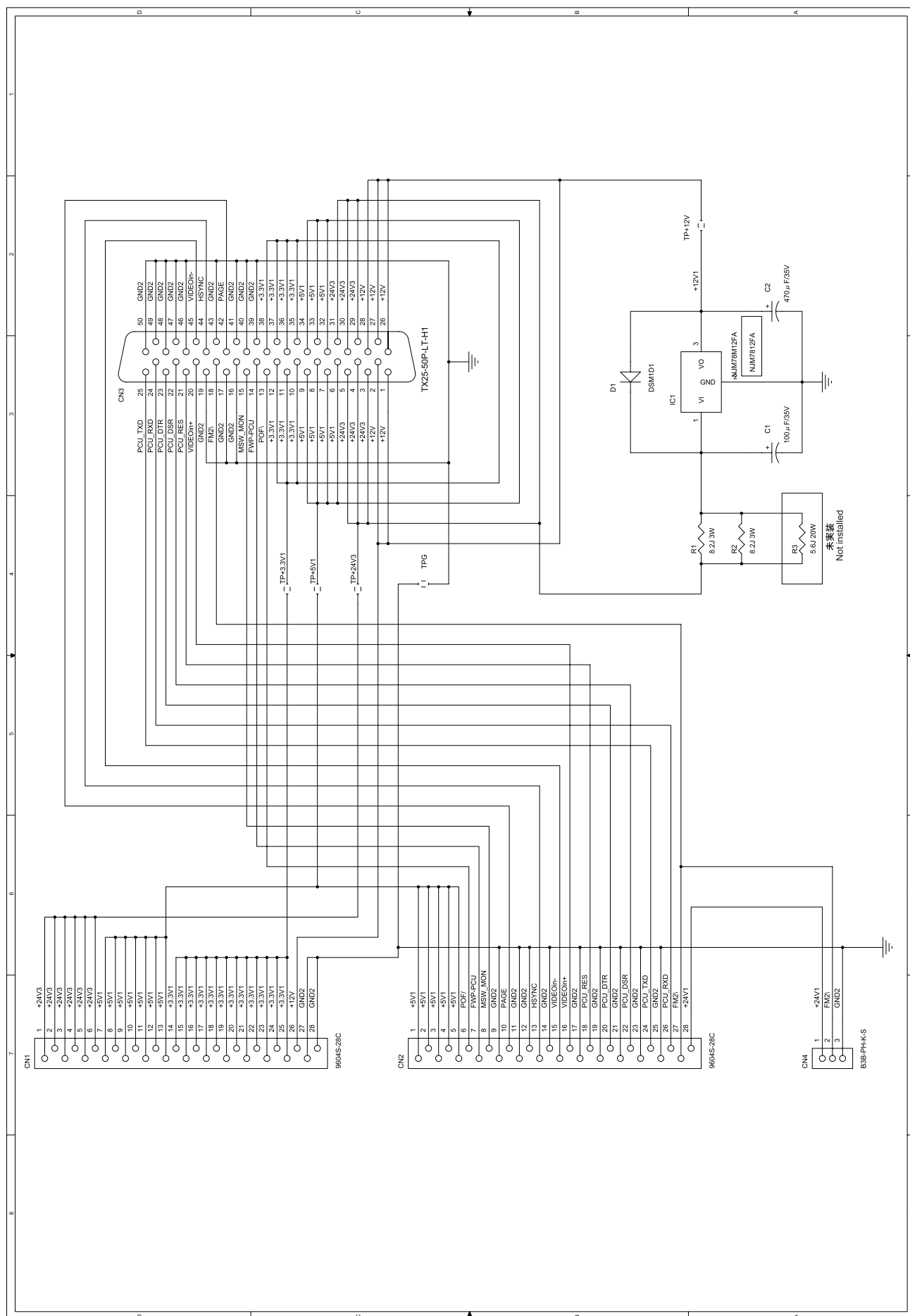




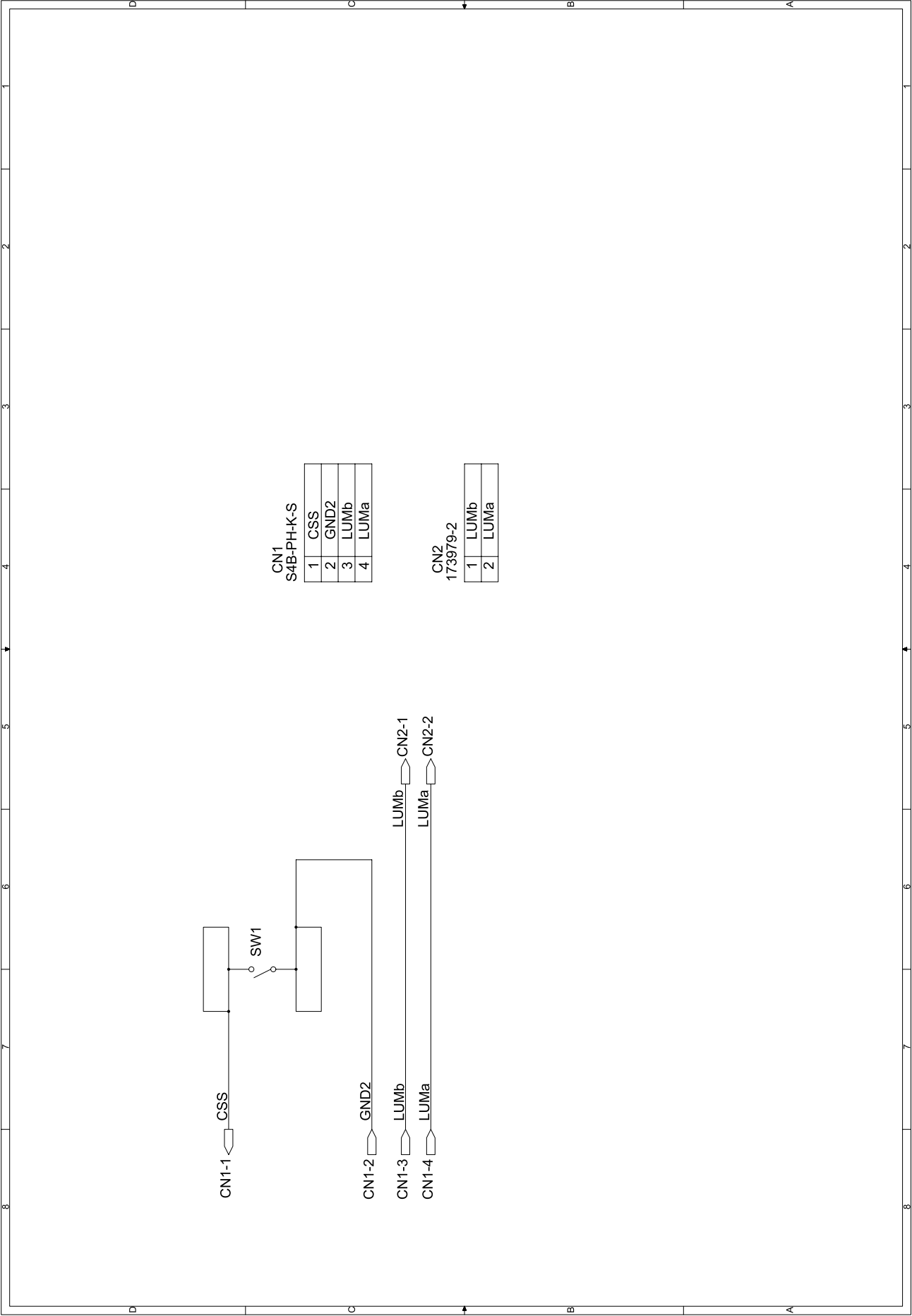
[4] プリンタ操作基板 (Printer Operation PWB)



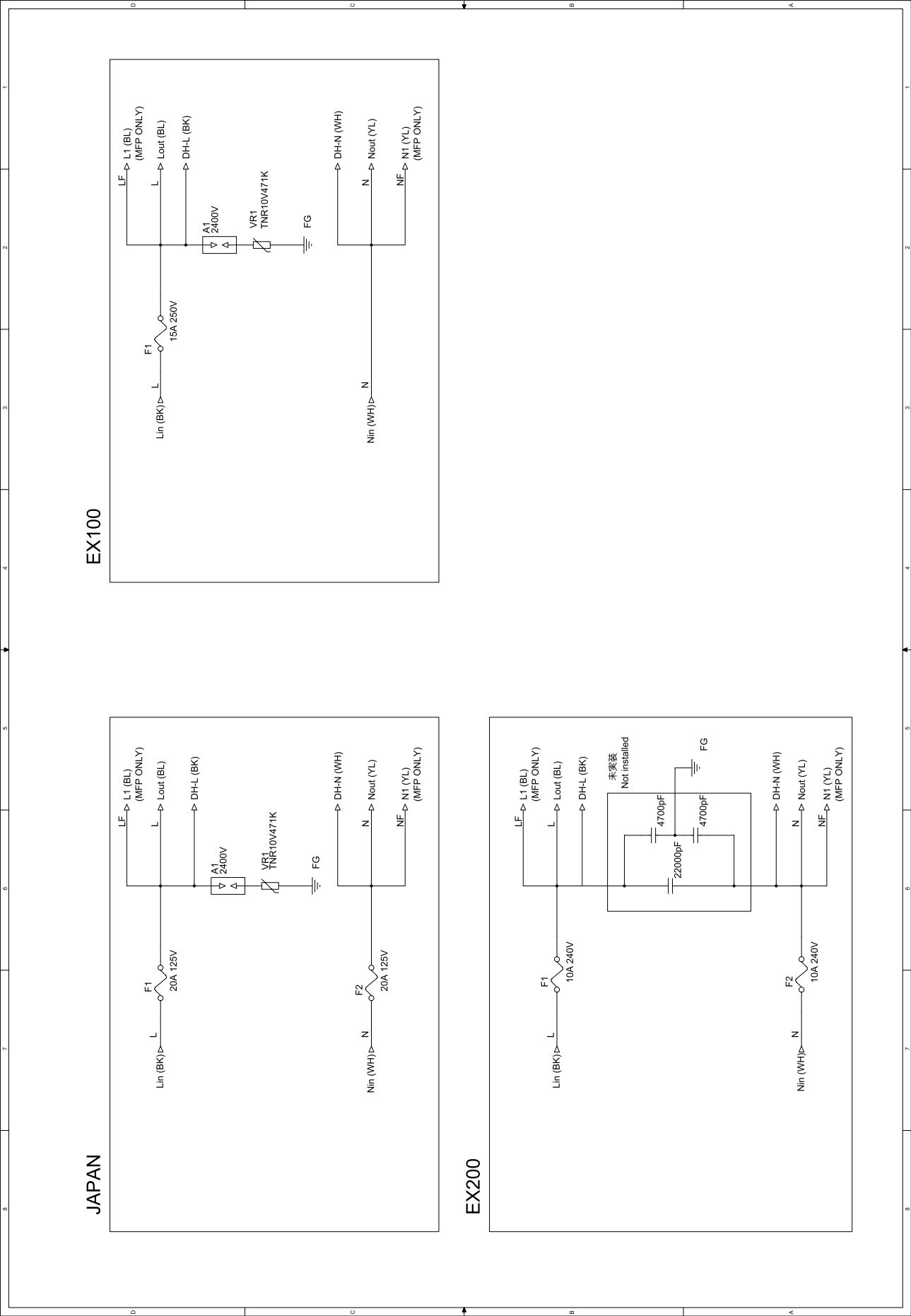
[5] マザーボード (Mother PWB)



[6] カセット検知基板 (Cassette PWB)



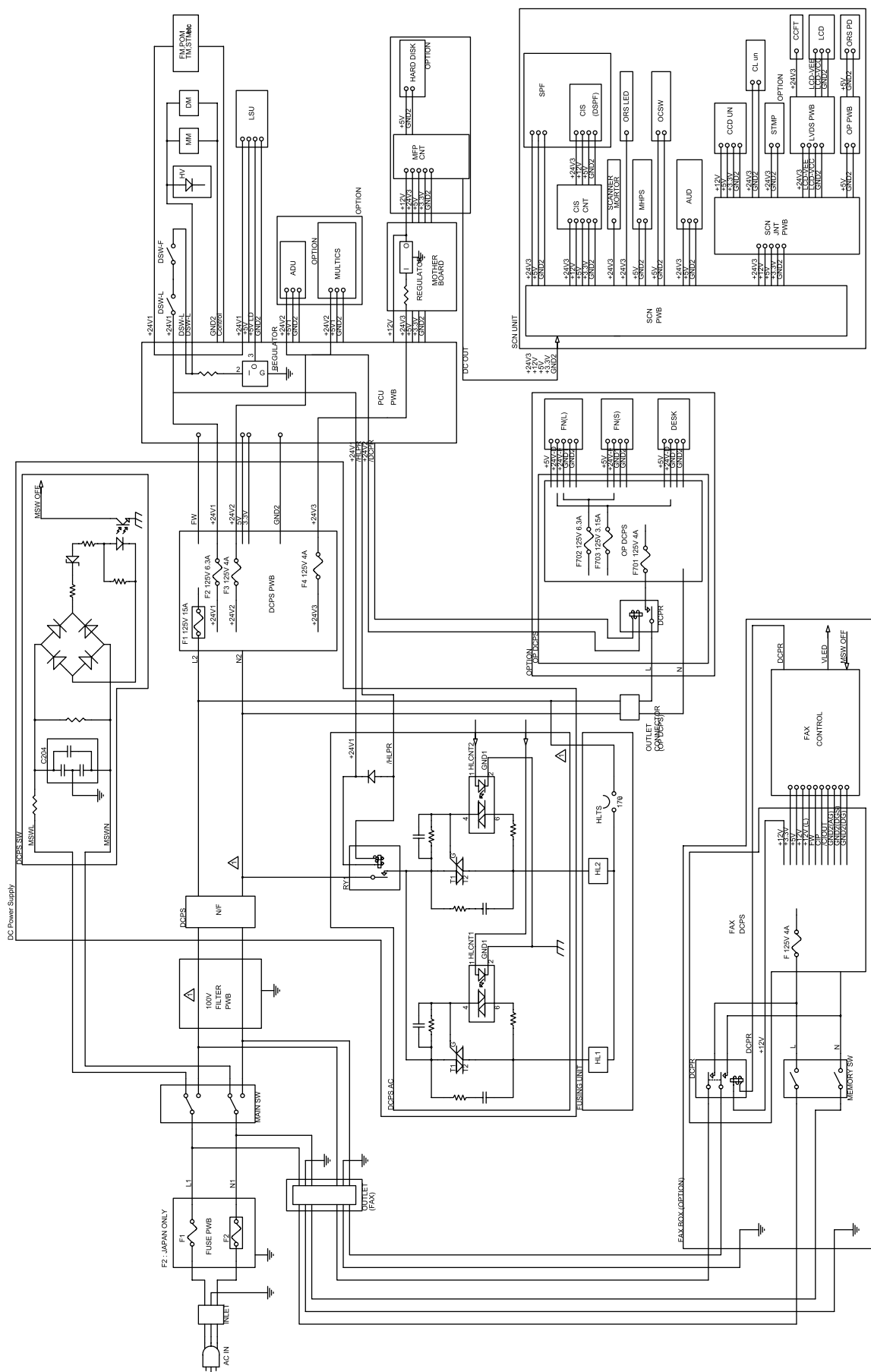
[7] ヒューズ基板 (Fuse PWB)



## AC/DC CIRCUIT PRT 100V

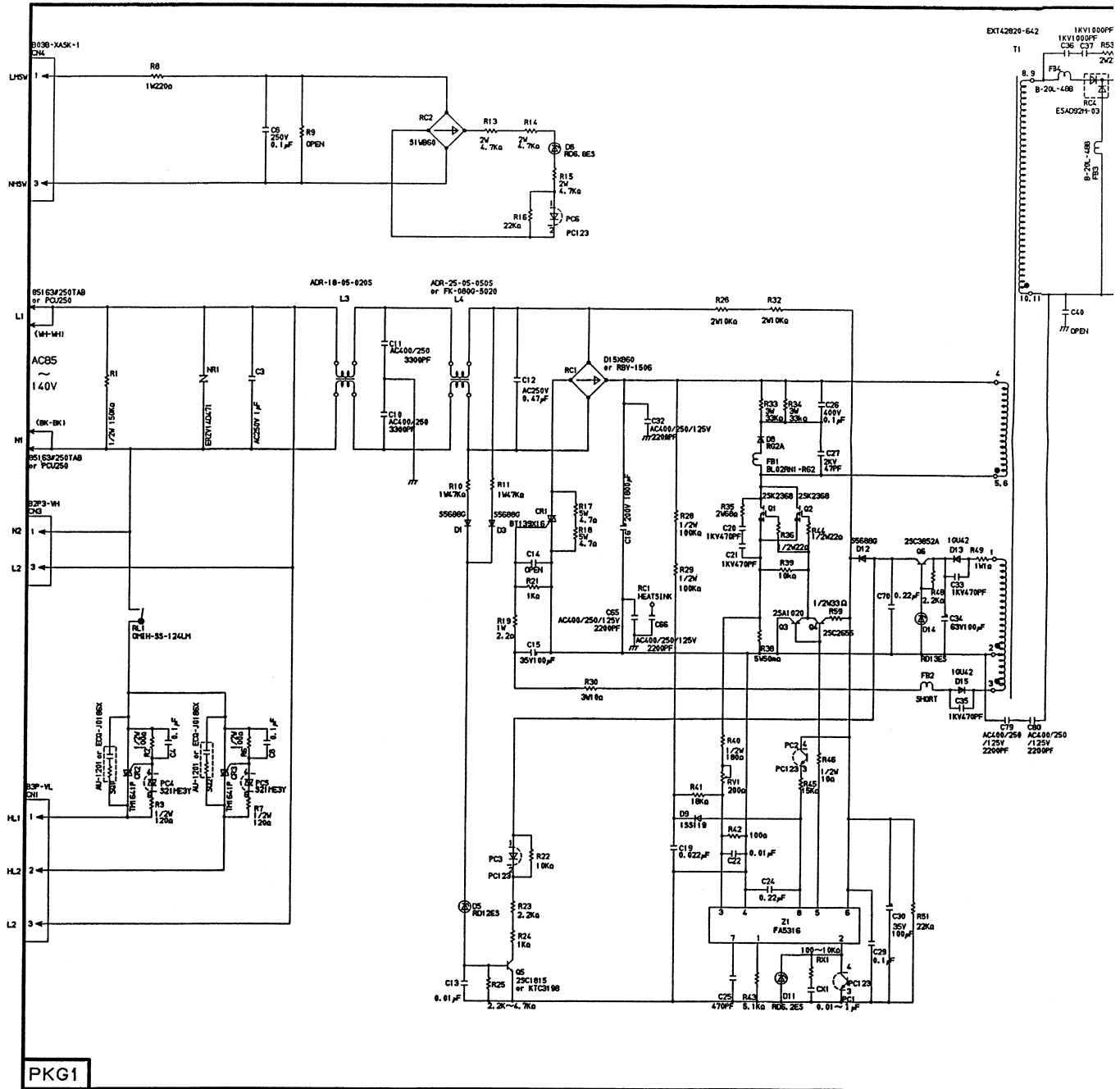


## AC/DC CIRCUIT MFP 100V





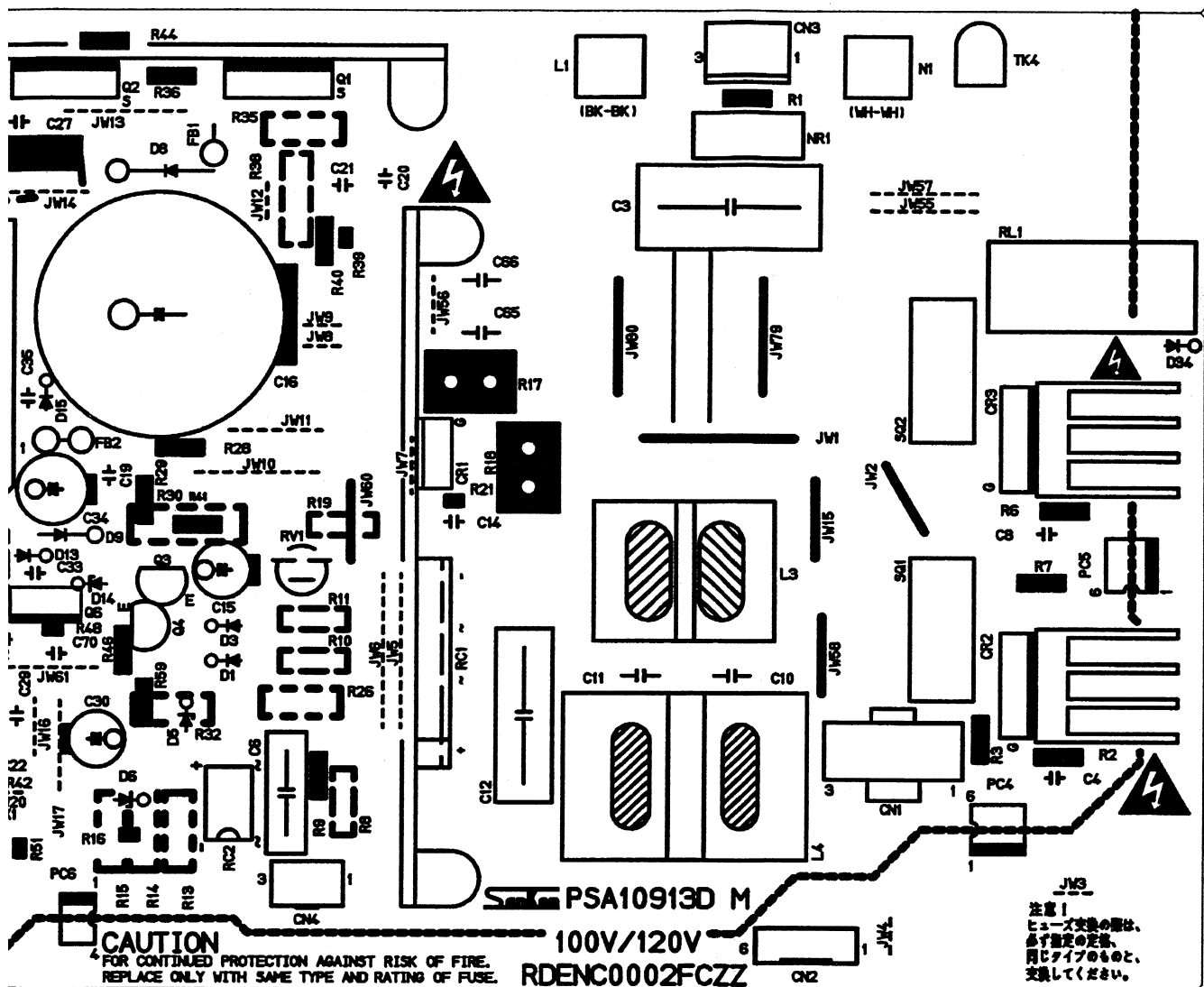
100/120V Power Supply  
100/120V 電源



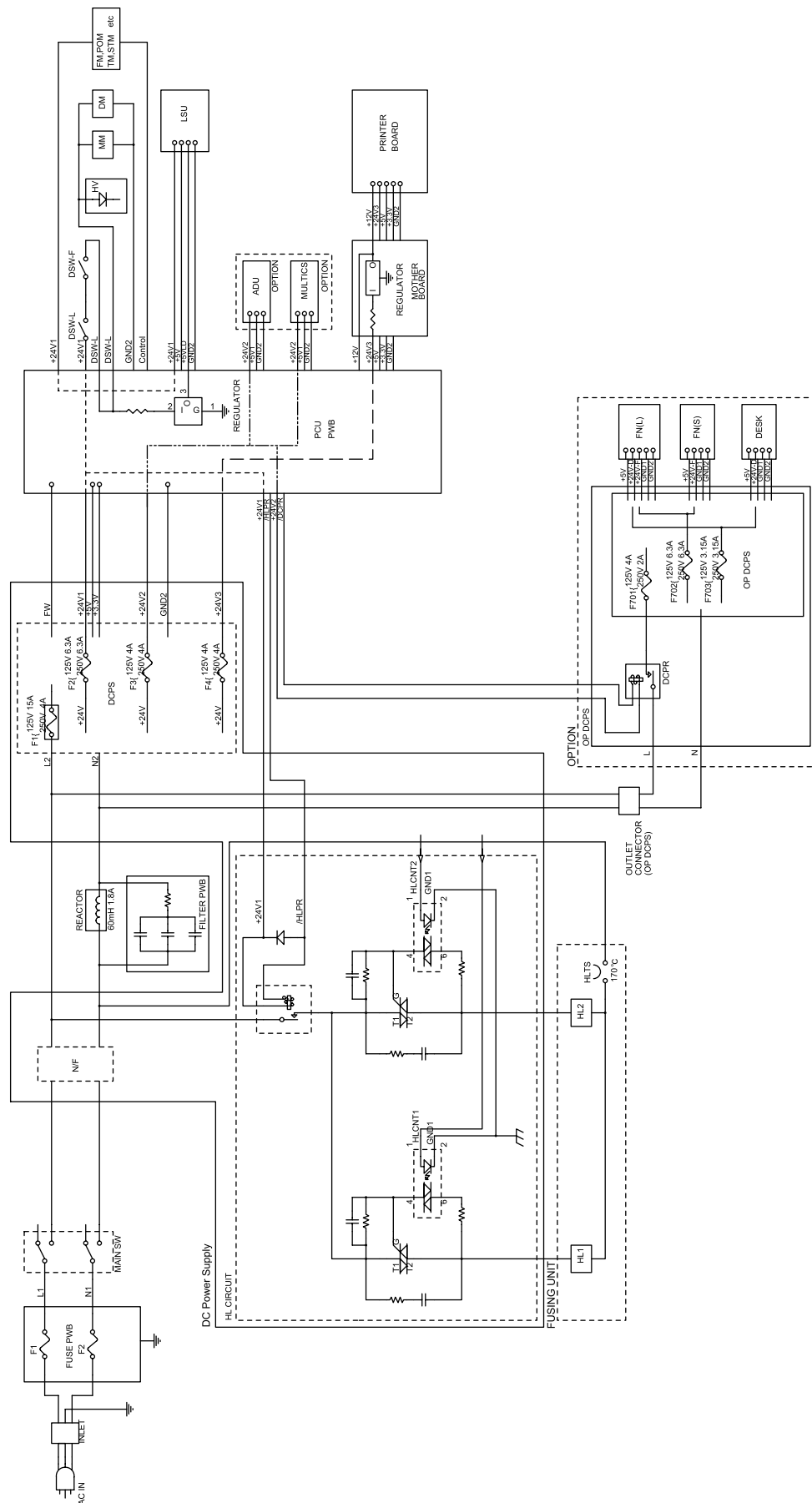


Parts arrangement  
部品配置図

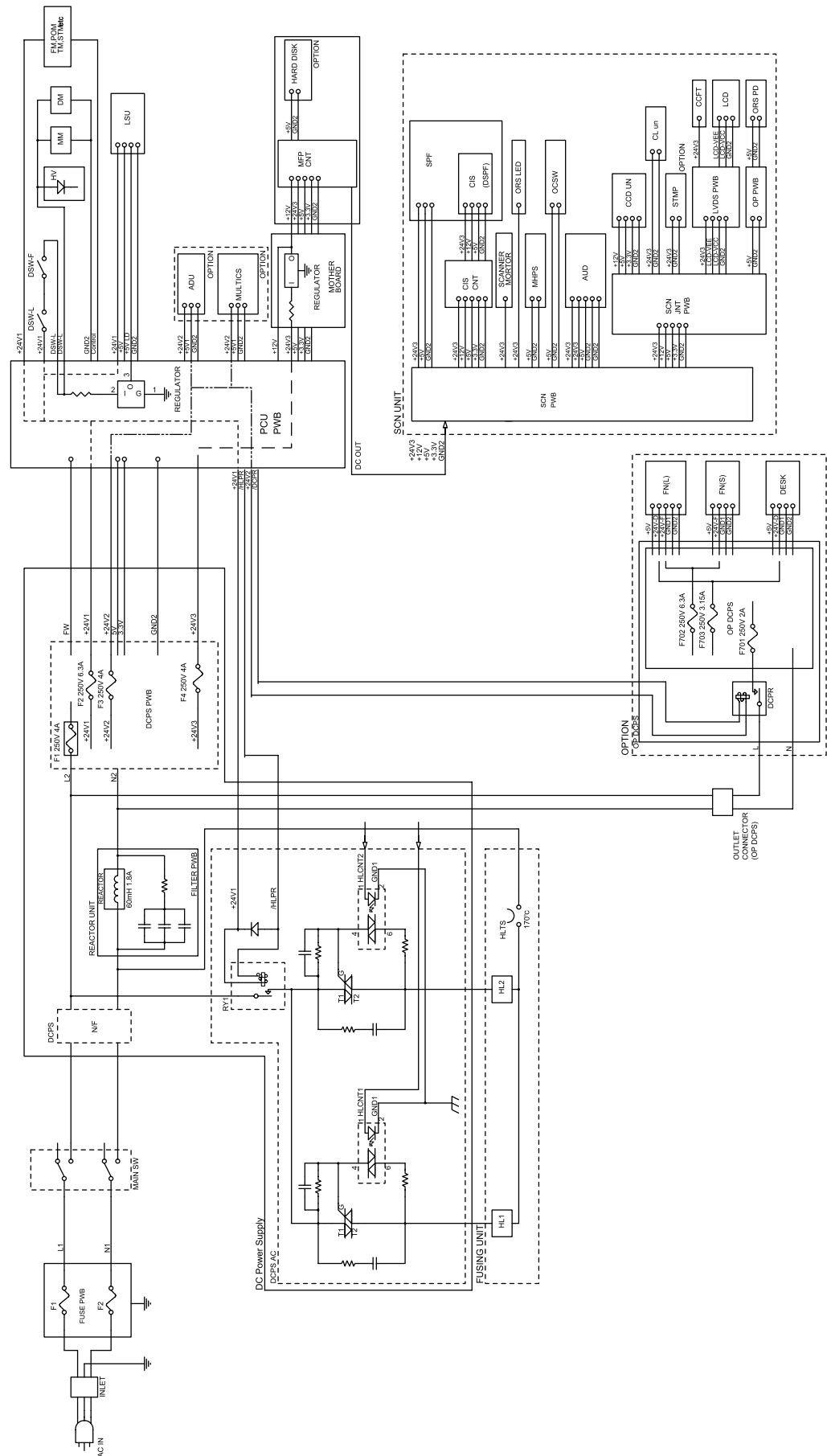




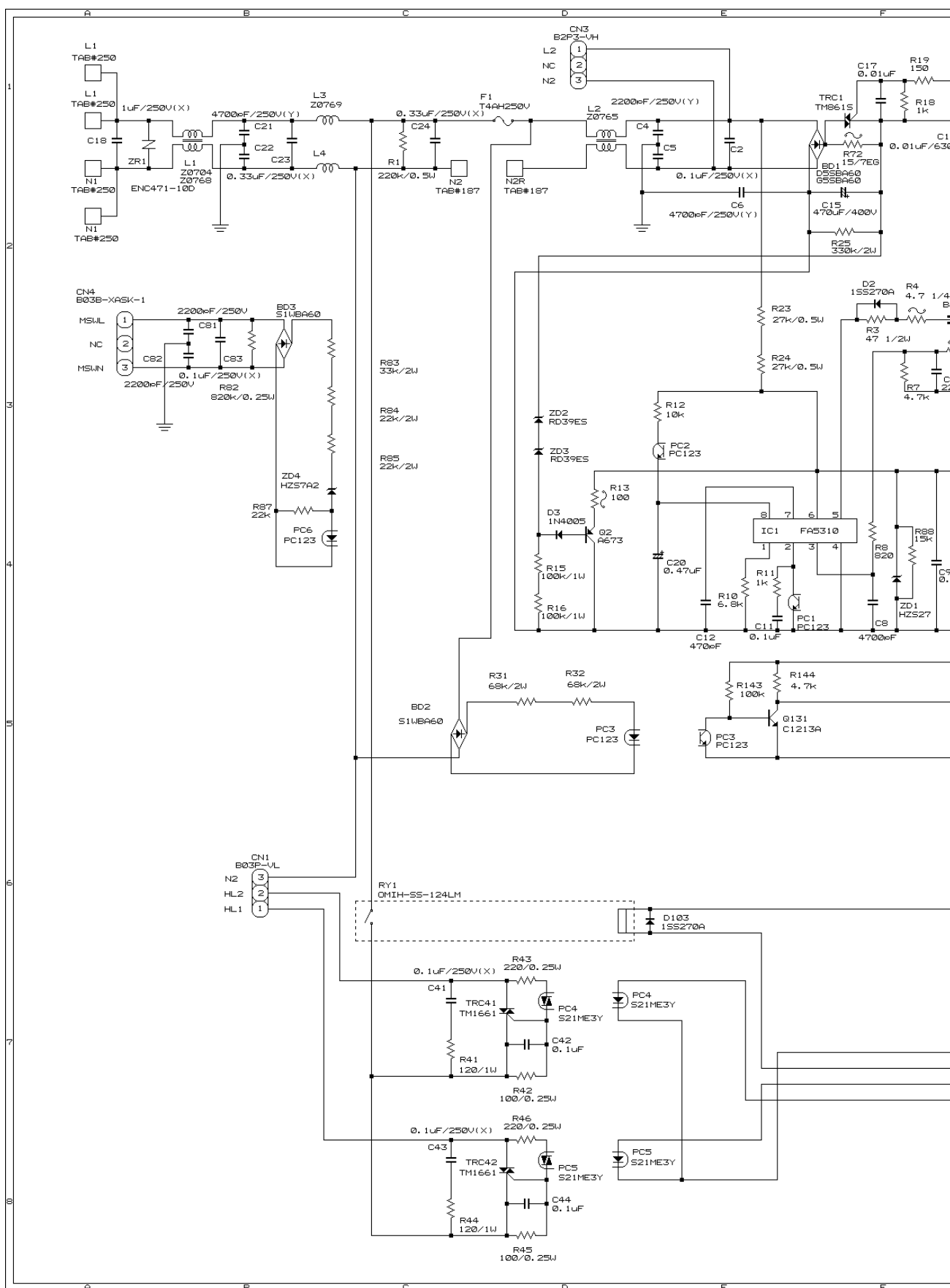
## AC/DC CIRCUIT PRT 200V

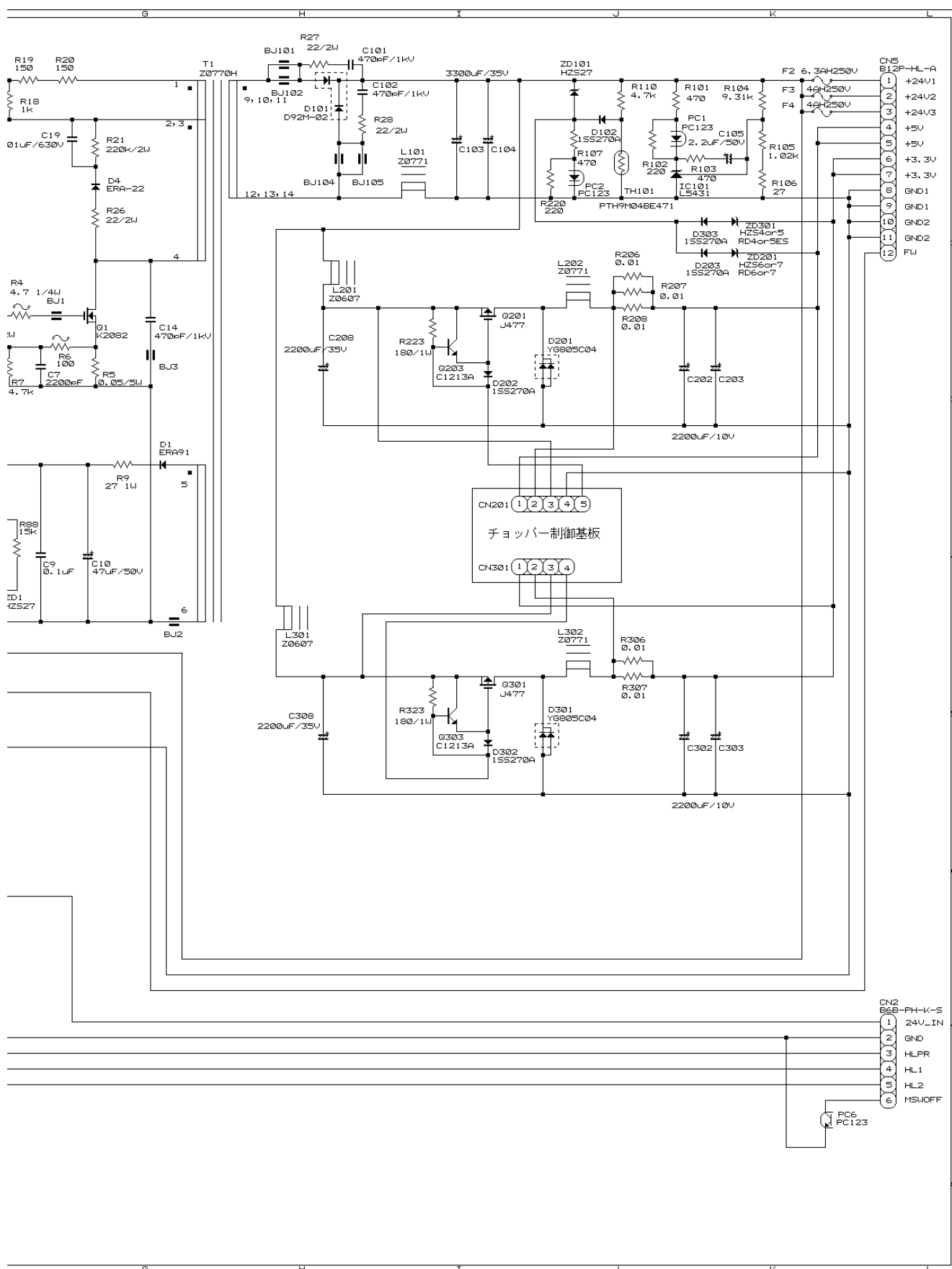


# AC/DC CIRCUIT MFP 200V



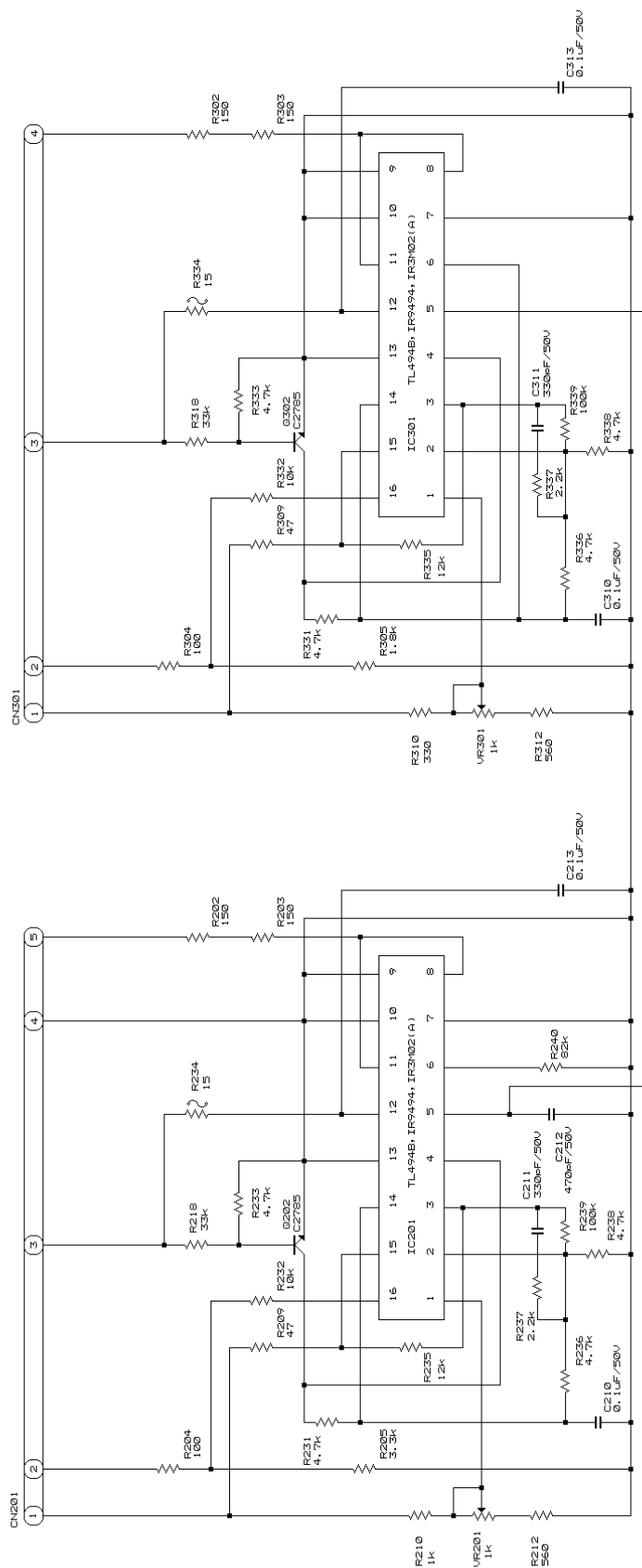
200/240V Power Supply(1/2)  
200/240V 電源 (1/2)





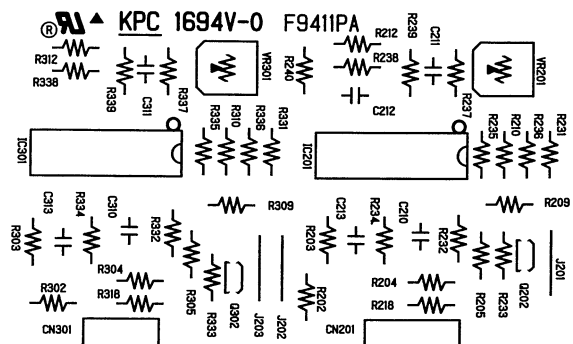


200/240V Power Supply(2/2)  
200/240V 電源 (2/2)

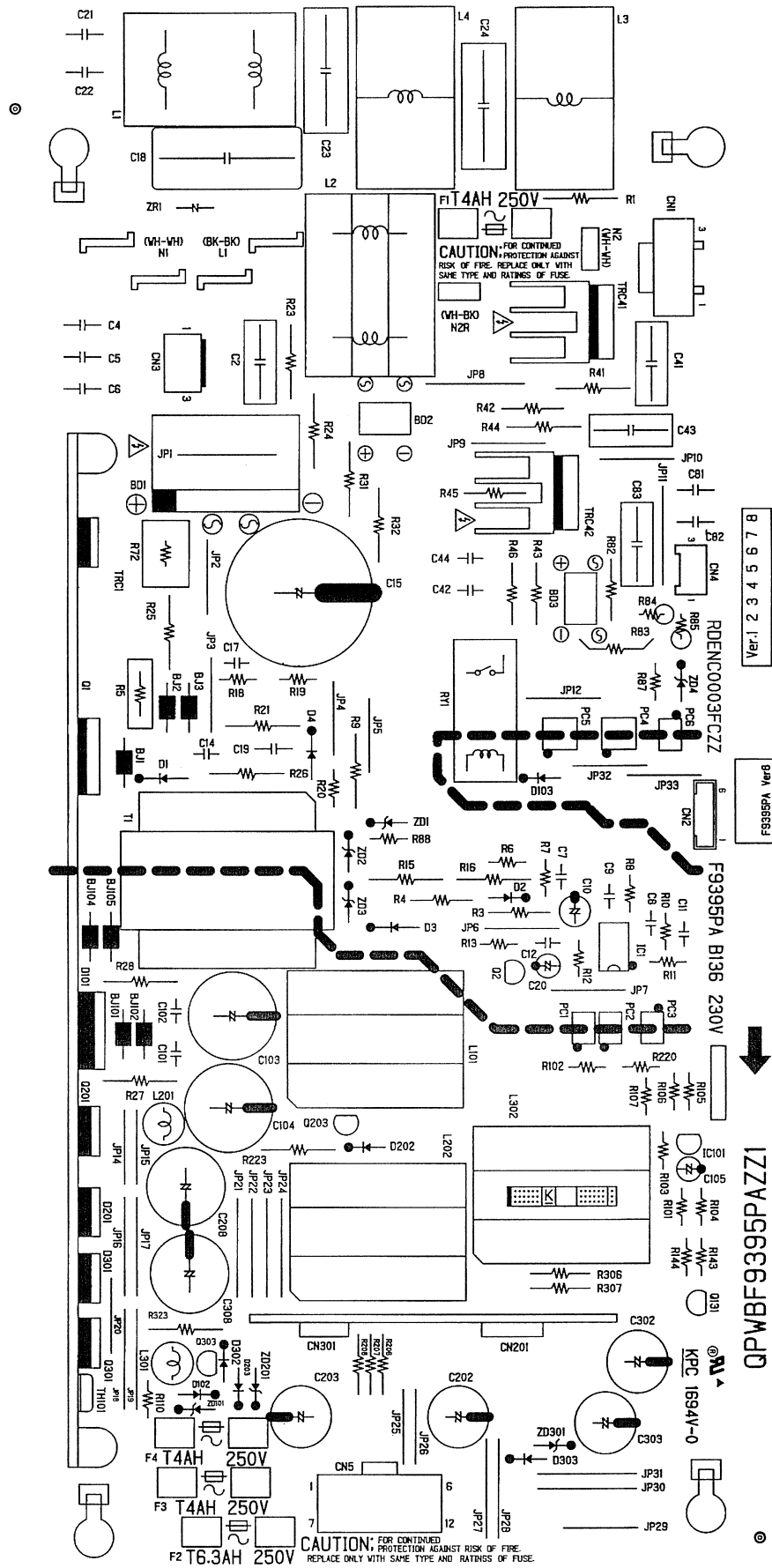




Parts arrangement  
部品配置図

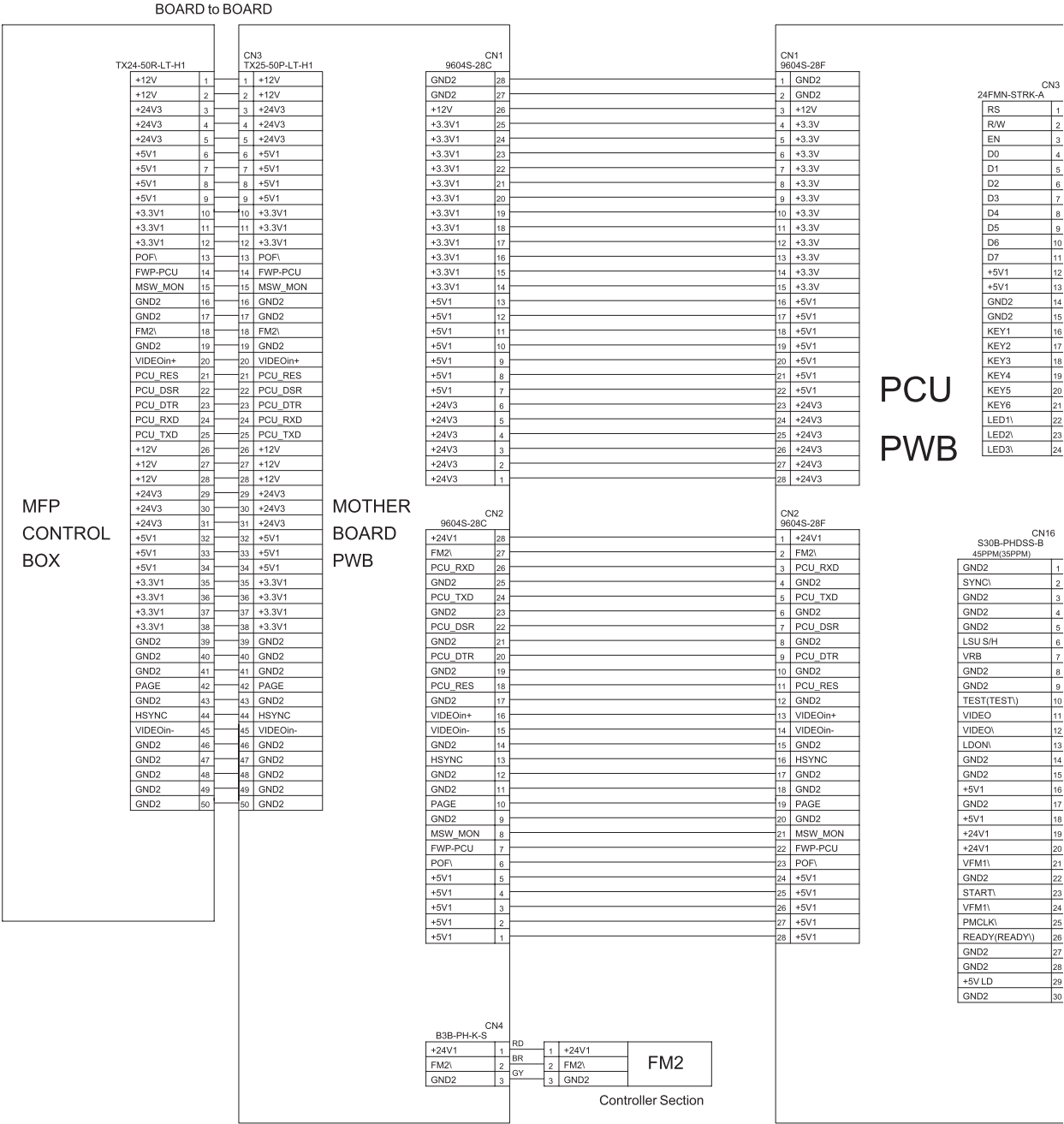


Parts arrangement  
部品配置図

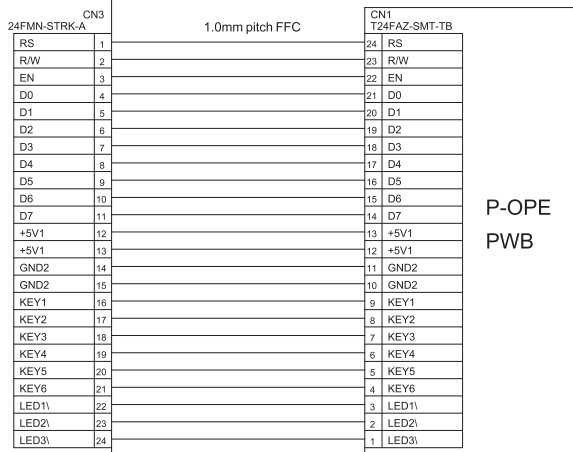


[9] 実体配線図 (Wiring Diagram)

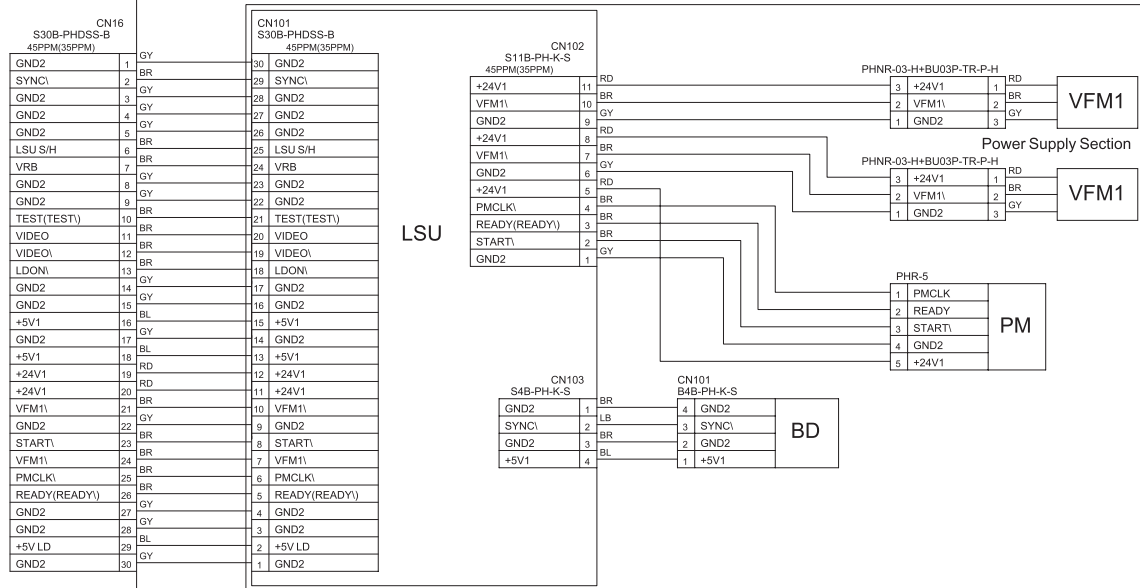
Wiring Diagram ENGINE1



PCU  
PWB



LSU UNIT



# Wiring Diagram ENGINE2

MAIN  
DRIVE

| 8FE-BT-VK-N |   |  |
|-------------|---|--|
| DSW-L       | 8 |  |
| DSW-L       | 7 |  |
| GND1        | 6 |  |
| GND1        | 5 |  |
| DM\         | 4 |  |
| DM-T        | 3 |  |
| DMCLK1      | 2 |  |
| (NC)        | 1 |  |

| CN6<br>9604S-08C |  |  |
|------------------|--|--|
| 1 DSW-F          |  |  |
| 2 DSW-F          |  |  |
| 3 GND2           |  |  |
| 4 GND2           |  |  |
| 5 DM\            |  |  |
| 6 DM-T           |  |  |
| 7 DMCLK1         |  |  |
| 8 (NC)           |  |  |

not installed  
mass production

| CN19<br>B4B-PH-K-S |   |  |
|--------------------|---|--|
| POM2               | 1 |  |
| POM0               | 2 |  |
| POM3               | 3 |  |
| POM1               | 4 |  |

not installed  
mass production

| CN20<br>B4B-PH-K-S |   |  |
|--------------------|---|--|
| POM1\              | 1 |  |
| POM3\              | 2 |  |
| POM0\              | 3 |  |
| POM2\              | 4 |  |
| (NC)               | 5 |  |

TONER HOPPER

| 173979-2 |   |  |
|----------|---|--|
| TMA      | 1 |  |
| TMB      | 2 |  |

| CN7<br>173981-2 |  |  |
|-----------------|--|--|
| 1 TMA           |  |  |
| 2 TMB           |  |  |

MAIN  
DRIVE

| 8FE-ST-VK-N |   |  |
|-------------|---|--|
| DSW-L       | 8 |  |
| DSW-L       | 7 |  |
| GND1        | 6 |  |
| GND1        | 5 |  |
| +5V1        | 4 |  |
| GND2        | 3 |  |
| MM\         | 2 |  |
| MM-T        | 1 |  |

| CN9<br>9604S-08F |  |  |
|------------------|--|--|
| 1 DSW-F          |  |  |
| 2 DSW-F          |  |  |
| 3 GND2           |  |  |
| 4 GND2           |  |  |
| 5 +5V1           |  |  |
| 6 GND2           |  |  |
| 7 MM\            |  |  |
| 8 MM-T           |  |  |
| 9 MMCLK1         |  |  |
| 10 (NC)          |  |  |

PCU  
PWB

TONER HOPPER

| TSR-04V-K |   |  |
|-----------|---|--|
| GND2      | 1 |  |
| +5V1      | 2 |  |
| CRUCLK    | 3 |  |
| CRUSDA    | 4 |  |

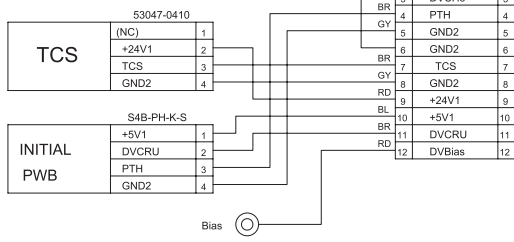
| CN5<br>B8B-PH-K-S |  |  |
|-------------------|--|--|
| 1 GND2            |  |  |
| 2 +5VCRU          |  |  |
| 3 CRUCLK          |  |  |
| 4 CRUSDA          |  |  |
| 5 PSPS\           |  |  |
| 6 +24V1           |  |  |
| 7 (NC)            |  |  |
| 8 +24V1           |  |  |

| PHNR-02-H+BU02P-TR-P-H |   |  |
|------------------------|---|--|
| 2 PSPS\                | 1 |  |
| 1 +24V1                | 2 |  |

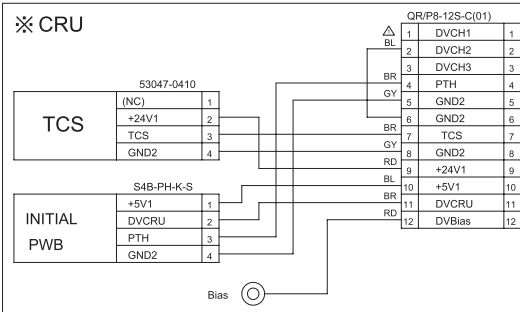
PSPS

DEVELOPER UNIT

※ DV(SRU)



※ CRU

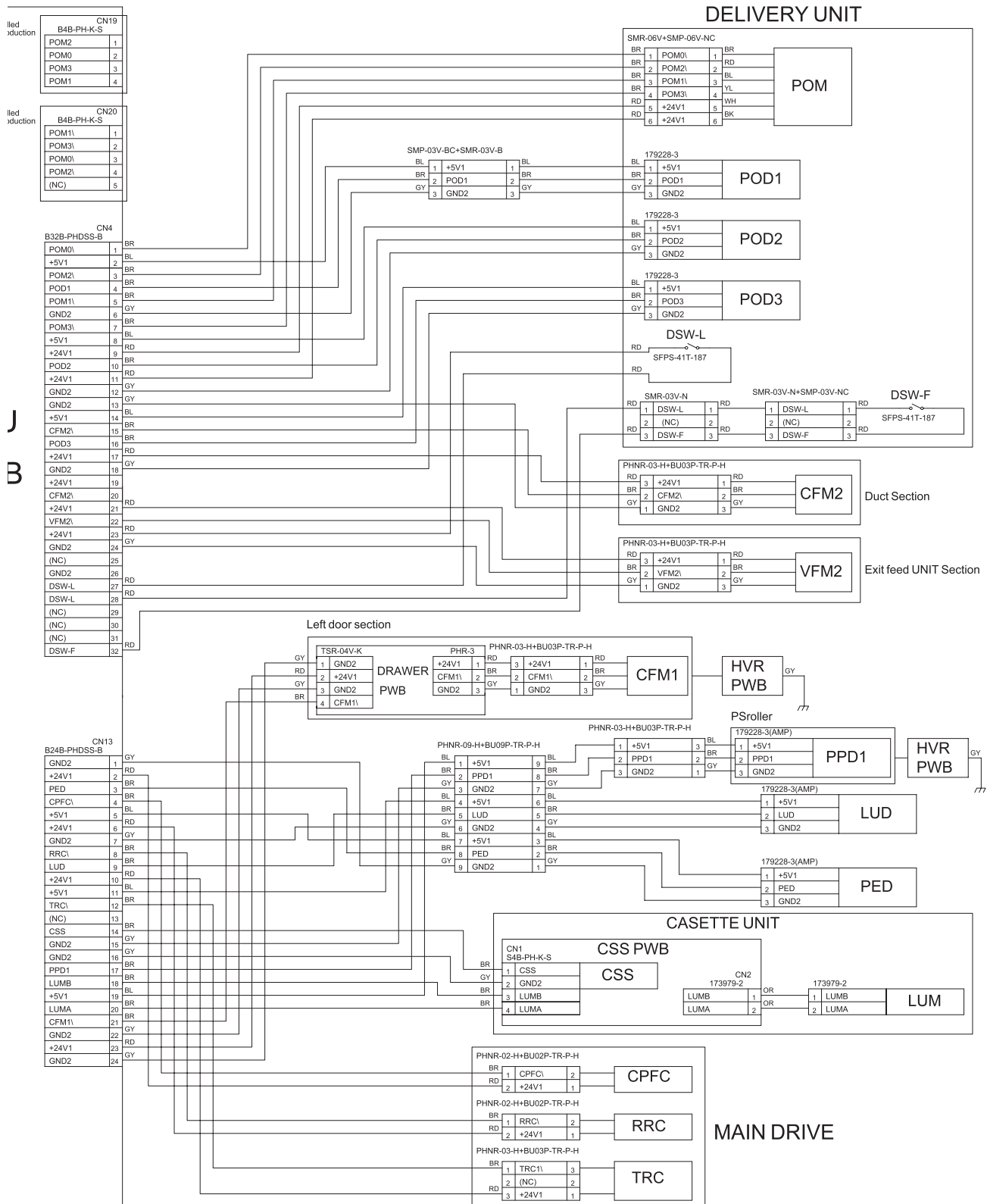


| CN4<br>B32B-PHDS-B |    |    |
|--------------------|----|----|
| POM0\              | 1  | BR |
| +5V1               | 2  | BL |
| POM2\              | 3  | BR |
| POD1               | 4  | BR |
| POM1\              | 5  | BR |
| GND2               | 6  | GY |
| POM3\              | 7  | BR |
| +5V1               | 8  | BL |
| +24V1              | 9  | RD |
| POD2               | 10 | BR |
| +24V1              | 11 | GY |
| GND2               | 12 | GY |
| GND2               | 13 | BL |
| +5V1               | 14 | BR |
| CFM2\              | 15 | BR |
| POD3               | 16 | RD |
| +24V1              | 17 | BR |
| GND2               | 18 | GY |
| +24V1              | 19 | RD |
| CFM2\              | 20 | RD |
| +24V1              | 21 | RD |
| VFM2\              | 22 | RD |
| +24V1              | 23 | RD |
| GND2               | 24 | GY |
| (NC)               | 25 |    |
| GND2               | 26 | RD |
| DSW-L              | 27 | RD |
| DSW-L              | 28 | RD |
| (NC)               | 29 |    |
| (NC)               | 30 |    |
| (NC)               | 31 |    |
| DSW-F              | 32 | RD |

| CN13<br>B24B-PHDS-B |    |    |
|---------------------|----|----|
| GND2                | 1  | GY |
| +24V1               | 2  | RD |
| PED                 | 3  | BR |
| CPFC\               | 4  | BL |
| +5V1                | 5  | BL |
| +24V1               | 6  | RD |
| GND2                | 7  | GY |
| RRC\                | 8  | BR |
| LUD                 | 9  | RD |
| +24V1               | 10 | RD |
| +5V1                | 11 | BR |
| TRC\                | 12 | BR |
| (NC)                | 13 |    |
| CSS                 | 14 | GY |
| GND2                | 15 | GY |
| GND2                | 16 | BR |
| PPD1                | 17 | BR |
| LUMB                | 18 | BL |
| +5V1                | 19 | BR |
| LUMA                | 20 | BR |
| CFM1\               | 21 | BR |
| GND2                | 22 | GY |
| +24V1               | 23 | RD |
| GND2                | 24 | GY |

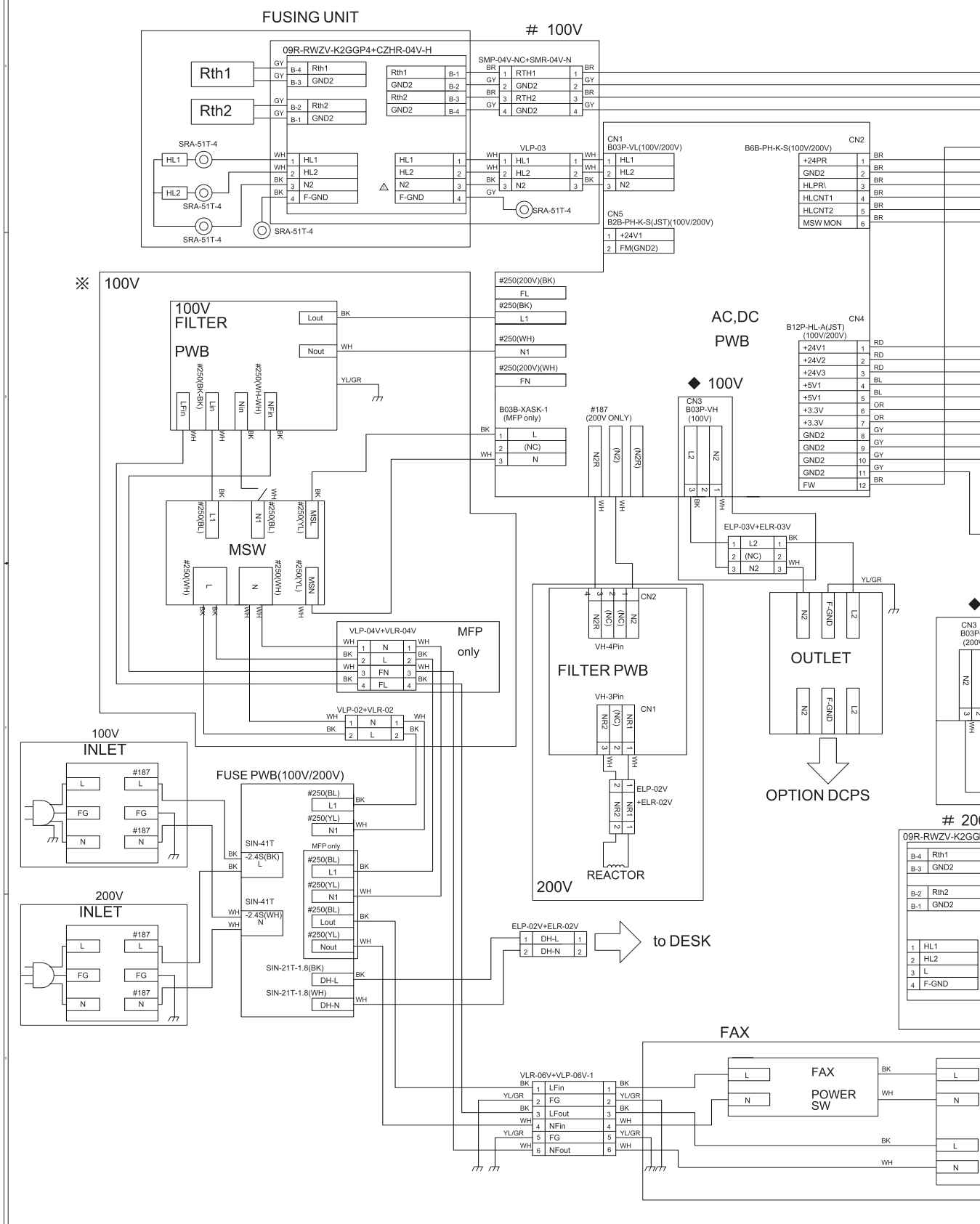
| CN8<br>B11B-PH-K-S |  |  |
|--------------------|--|--|
| 1 DVCH1            |  |  |
| 2 DVCH2            |  |  |
| 3 DVCH3            |  |  |
| 4 PTH              |  |  |
| 5 GND2             |  |  |
| 6 GND2             |  |  |
| 7 TCS              |  |  |
| 8 GND2             |  |  |
| 9 +24V1            |  |  |
| 10 +5V1            |  |  |
| 11 DVCRU\          |  |  |

| CN22<br>173981-2 |  |  |
|------------------|--|--|
| 1 PCU_RES        |  |  |
| 2 GND2           |  |  |





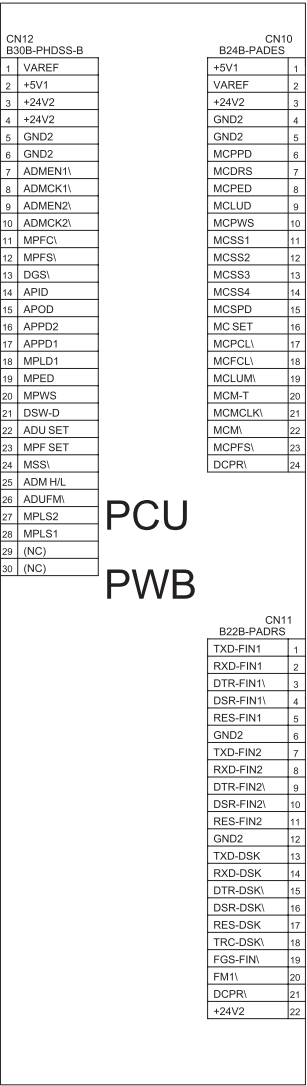
## Wiring Diagram ENGINE3





# Wiring Diagram ENGINE4

ADU



MULTICS



OPTION



# SHARP

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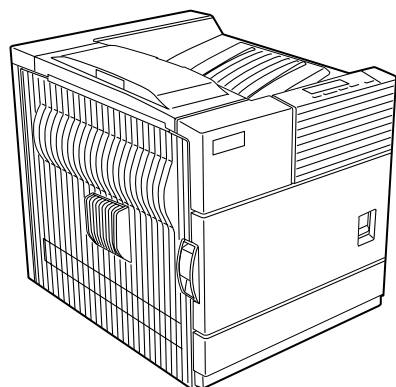
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**Quality & Reliability Control Center**  
**Yamatokoriyama, Nara 639-1186, Japan**

2001 April Printed in Japan (N)

# SHARP PARTS GUIDE

CODE:00ZAR350LPP1/



## レーザープリンタ LASER PRINTER

**AR-350LP/AR-450LP** <sup>(Japan only)</sup>  
**MODEL AR-P350/AR-P450** <sup>(except Japan)</sup>

このパーツガイドに掲載されている表示価格ランクは消費税抜きです。

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- 4 メイン駆動ユニット (Main drive unit)
- 5 TCユニット (TC unit)
- 6 給紙ユニット (Cassette paper feeder)
- 7 定着ユニット (Fusing unit)
- 8 排紙反転ユニット (Delivery turn over unit)
- 9 MCユニット (MC unit)
- 10 プロセスユニット (Process unit)
- 11 DVユニット (Developer unit)
- 12 コントローラー BOX ユニット (Controller BOX unit)
- 13 電源ユニット (Power supply unit)
- 14 後フレーム部 1 (Rear frame section 1)
- 15 後フレーム部 2 (Rear frame section 2)
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- 18 PCU 基板ユニット (PCU PWB unit)
- 19 プリントコントロール基板ユニット (Print control PWB unit)
- 20 マザーボード (Mother board)
- 21 ヒューズ基板ユニット (Fuse PWB unit)
- 22 カセット検知基板ユニット (Cassette detect PWB unit)
- 23 プリント操作基板ユニット (Printer operation PWB unit)
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- 索引 (Index)

本書はサービス活動用に作成した資料です。  
一部内容が製品の改良・改善等により予告なしに変わることがあります。

**SHARP CORPORATION**

This document has been published to be used for after sales service only.  
The contents are subject to change without notice.

## 補修部品のランク付

市場における補修部品の在庫管理が、適正に運営出来る手助けとなることを、目的とします。

Aランク：取替頻度が比較的多く、在庫を必要とするパーツ。

Bランク：取替頻度は比較的少ないが、在庫を必要とするパーツ。

Cランク：取替頻度はほとんどないと思われるパーツ。

Dランク：取替頻度はほとんどないが新品再生に必要なパーツ。

Eランク：ユニットパーツ。サービス効率アップの為、在庫する事を推奨するパーツ。

Sランク：消耗品

但し、複写機のパーツについては、同一パーツ名であっても、下記パーツは、使用箇所の相違により、A・Bランク分けします。

パーツ名：金属製のギヤー、スプロケット、ベアリング、ゴム製のベルト、スプリングクラッチ機構

Aランク：常に回転しているか、付加がかかっている箇所に使用され、回転回数が増える事により、変形又は磨耗が生じその性能が発揮できなくなるパーツ。

Bランク：回転部分に使用されているが、磨耗度が比較的少ないパーツ。

## DEFINITION

The definition of each Rank is as follows and also noted in the list

A: Parts necessary to be stocked as High usage parts.

B: Parts necessary to be stocked as Standard usage parts.

C: Low usage parts.

D: Parts necessary for refurbish.

E: Unit parts recommended to be stocked for efficient after sales service.

Please note that the lead time for the said parts may be longer than normal parts.

S: Consumable parts.

Please note that the following parts used in Copier under the same description are classified into A or B Rank depending upon the place used.

Example: Gear made of Metal, Sprocket, Bearing, Belt made of Rubber, Spring clutch mechanism.

A Rank: The parts which may be with the revolution or loading.

B Rank: Parts similar to A Rank parts, but are not included in Rank A.

安全性・信頼性確保のため部品は、必ず正規のものをご使用下さい。

△印の商品は、安全上重要な部品です。交換をする時は、安全および性能維持のため必ず指定の部品をご使用下さい。

Because parts marked with “△” is indispensable for the machine safety maintenance and operation, it must be replaced with the parts specific to the product specification.

- 当モデルのサービス資料には、この資料以外にサービスマニュアル（回路図含む）があります。合わせて御利用下さい。
- Other than this Parts Guide, please refer to documents Service Manual (including Circuit Diagram) of this model.
- Please use the 13 digit code described in the right hand corner of front cover of the document, when you place an order.
- For U.S. only-Use order codes provided in advertising literature. Do not order from parts department.

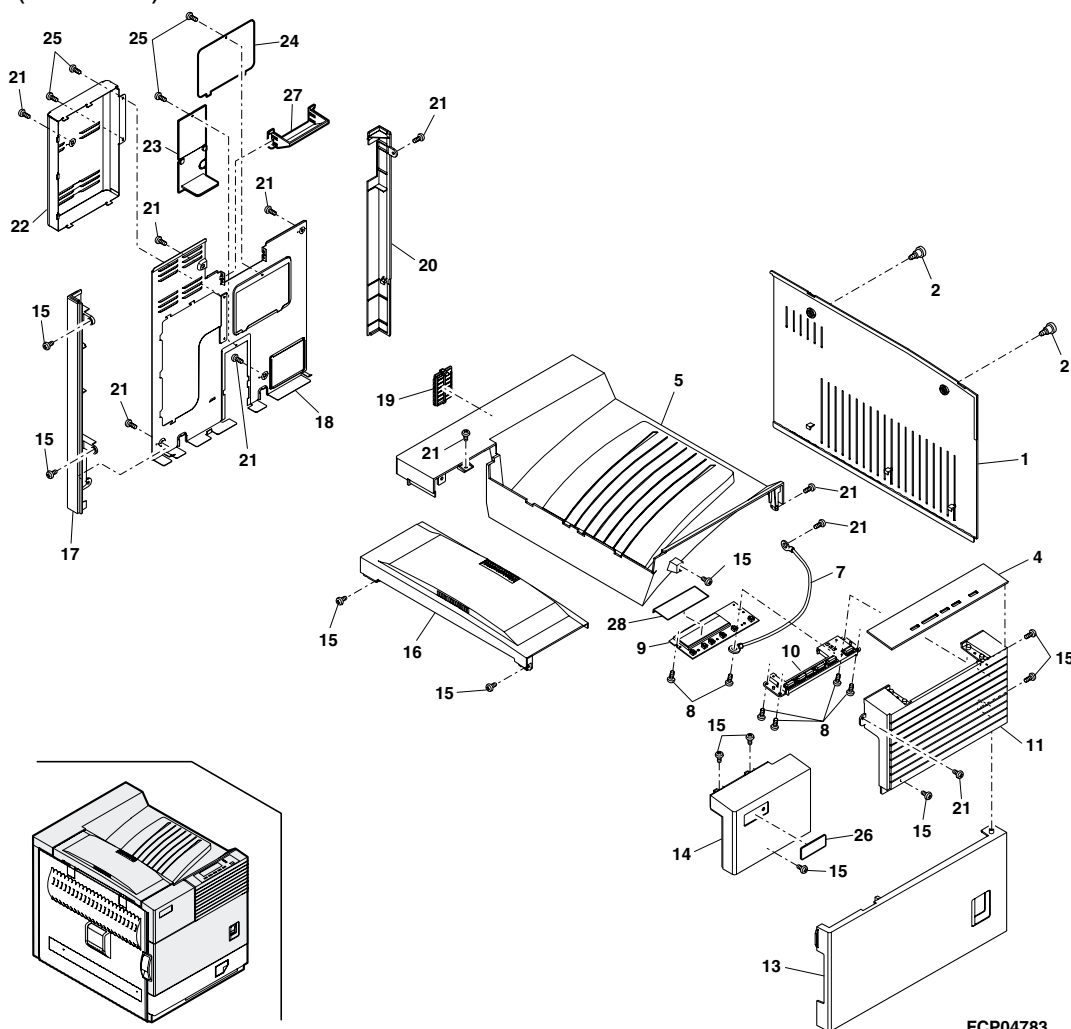
[ 注 ] \* 印の部品コードはSMF供給部品です。

[Note] \* These parts are supplied by SMF.

# 1 外装部 (Exteriors)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                 |
|-----|---------------|------------|-----|----------|-----------|-----------------------------|
|     |               | Ex.        | Ja. |          |           |                             |
| 1   | GCAB-0938FCZZ | AY         | FQ  | N        | D         | Right exterior              |
| 2   | LX-BZ0909FCZZ | AC         | DD  | N        | C         | Screw                       |
| 4   | CFILW0281FC01 | AT         | EZ  | N        | D         | Operation filter            |
|     | CFILW0281FC02 | AS         | EQ  | N        | D         | Operation filter            |
| 5   | GCAB-0940FCZ1 | AZ         | FX  | N        | D         | Paper exit tray exterior    |
| 7   | DHA1-3175FCZZ | AC         | DJ  | N        | C         | OP earth harness            |
| 8   | XEP5D30P08000 | AA         | DD  |          | C         | Screw (3×8)                 |
| 9   | CPWBF1447FCE1 | BC         | GJ  | N        | E         | Printer operation PWB unit  |
| 10  | JBTN-0249FCZZ | AF         | DS  | N        | C         | Operation key               |
| 11  | HPNLC0243FCZZ | AP         | EQ  | N        | D         | Operation cabinet           |
| 13  | GCAB-0934FCZ1 | AT         | EZ  | N        | D         | Front exterior              |
| 14  | GCAB-0935FCZZ | AL         | EB  | N        | D         | Front exterior upper        |
| 15  | XEBSD40P10000 | AA         | DD  |          | C         | Screw (4×10)                |
| 16  | GCAB-0936FCZ1 | AW         | EQ  | N        | D         | Upper exterior left         |
| 17  | GCAB-0937FCZZ | AK         | DX  | N        | D         | Left exterior rear          |
| 18  | GCAB-0941FCZ1 | AW         | FG  | N        | D         | Rear exterior               |
| 19  | PFTA-0139FCZZ | AD         | DJ  | N        | C         | Transfer tray cabinet cover |
| 20  | GCAB-0939FCZ1 | AK         | DX  | N        | D         | Right exterior rear         |
| 21  | XHBSE40P08000 | AA         | DD  |          | C         | Screw (4×8)                 |
| 22  | LPLTM5937FCZZ | AS         | EQ  | N        | C         | Rear cabinet support plate  |
| 23  | PCOVP1554FCZZ | AE         | DS  | N        | C         | Harness cover               |
| 24  | PCOVP1618FCZZ | AG         | DX  | N        | C         | ROM cover                   |
| 25  | XHBSE30P06000 | AA         | DD  |          | C         | Screw (3×6)                 |
| 26  | CPNLH0020QS10 | AK         | DX  | N        | D         | Model panel P350            |
|     | CPNLH0020QS11 | AK         | DX  | N        | D         | Model panel P450            |
|     | CPNLH0020QS20 | AK         | DX  | N        | D         | Model panel 350LP           |
|     | CPNLH0020QS21 | AK         | DX  | N        | D         | Model panel 450LP           |
| 27  | JHNDP0158FCZZ | AE         | DS  | N        | C         | Handle L                    |
| 28  | PSHEZ4905FCZZ | AC         | DJ  | N        | C         | LCD protect sheet           |

# 1 外装部 (Exteriors)

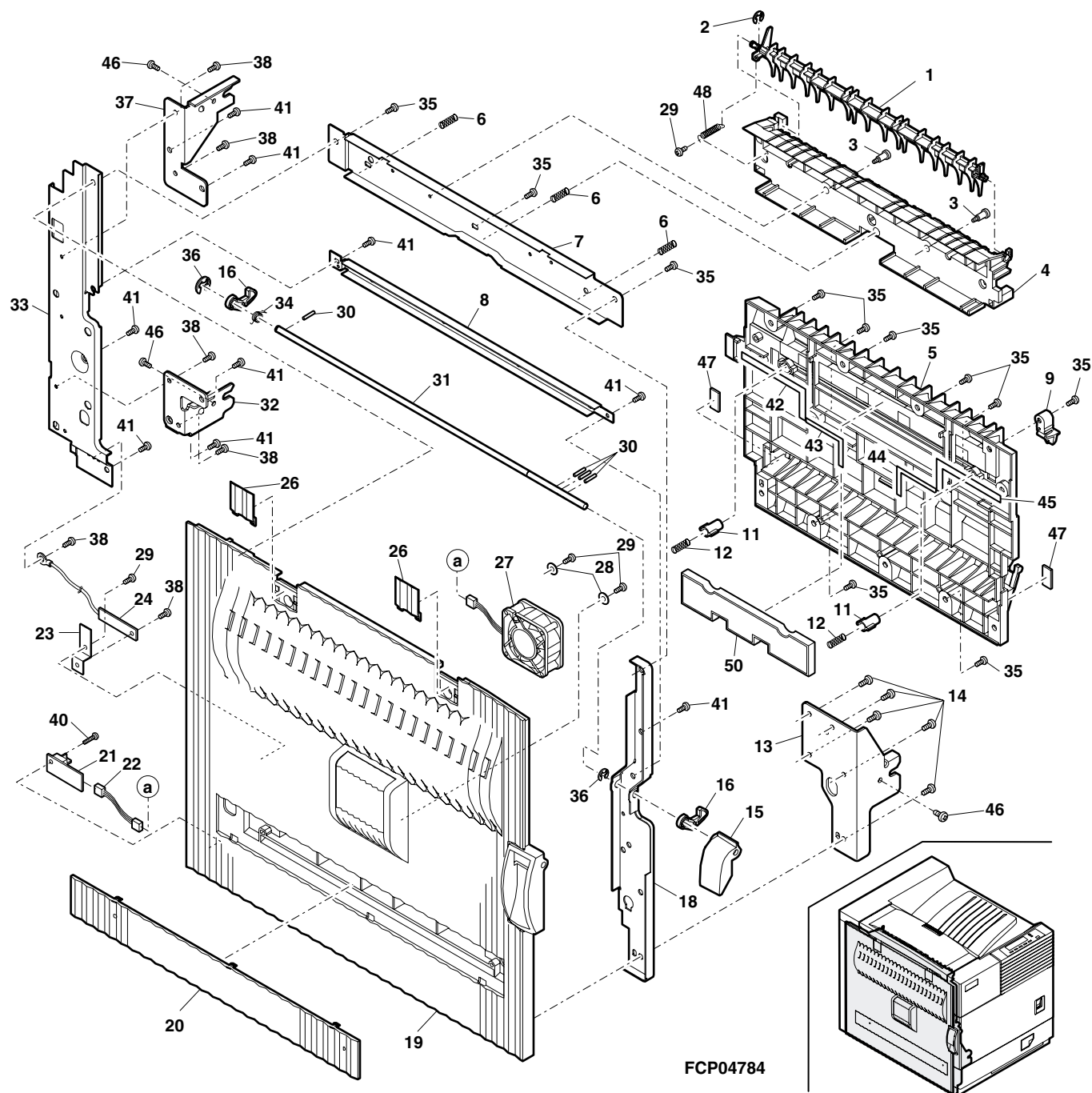




2 左ドアユニット (Left door unit)

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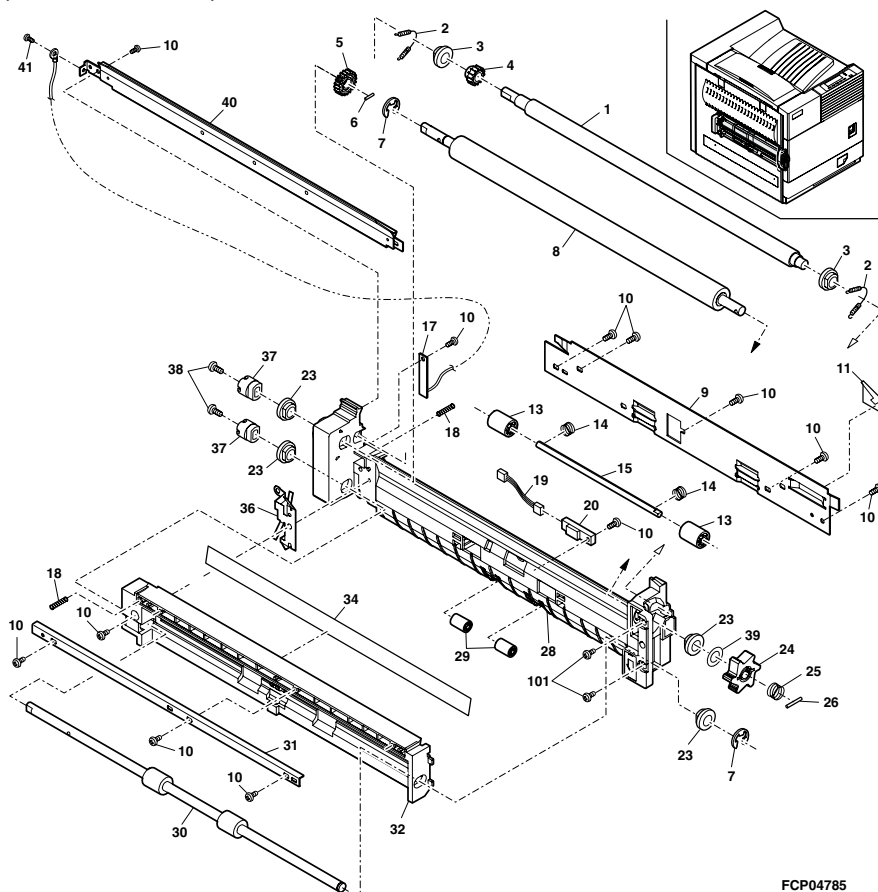
## 2 左ドアユニット(Left door unit)



### 3 PSローラーユニット(PS roller unit)

| NO.         | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION   |
|-------------|---------------|------------|-----|----------|-----------|---|
|             |               | Ex.        | Ja. |          |           |   |
| 1           | NRÖLP1302FCZZ | AX         | FG  | N        | C         | PS follower roller                                  |
| 2           | MSPRT2839FCZZ | AF         | DS  | N        | C         | PS pressure spring                                  |
| 3           | NBRGC0286FCZZ | AC         | DD  |          | C         | PS follower roller bearing                          |
| 4           | NGERH1475FCZZ | AC         | DD  | N        | C         | PS follower gear                                    |
| 5           | NGERH1474FCZZ | AC         | DD  | N        | C         | PS gear   |
| 6           | LPINS0155FCZZ | AA         | DD  |          | C         | Pin (φ3-10)   |
| 7           | XRESP70-08000 | AA         | DD  |          | C         | E type ring   |
| 8           | NRÖLR1303FCZZ | AY         | FQ  | N        | C         | PS roller   |
| 9           | PGIDH1960FCZZ | AK         | DX  | N        | C         | Paper powder remove guide                           |
| 10          | XEBSD30P08000 | AA         | DD  |          | C         | Screw (3×8)   |
| 11          | PSHEP4931FCZZ | AC         | DJ  | N        | C         | Paper powder remove sub sheet                       |
| 13          | PCLR-0460FCZZ | AC         | DJ  | N        | C         | Transfer follwer collar                             |
| 14          | MSPRC2840FCZZ | AC         | DJ  | N        | C         | PS front pressure spring                            |
| 15          | NSFTZ2573FCZ1 | AG         | DX  | N        | C         | PS follower roller shaft                            |
| 17          | CPWBF1490DS51 | AK         | DX  | N        | E         | High voltage resister PWB PS                        |
| 18          | MSPRP1550FCZZ | AA         | DD  |          | C         | TC spring   |
| 19          | DHAi-3145FCZZ | AE         | DJ  | N        | C         | PPD harness   |
| 20          | VHPGP2A200L-1 | AR         | EQ  |          | B         | LED (GP2A200L)                                      |
| 23          | NBRGP0666FCZZ | AC         | DJ  | N        | C         | Bearing   |
| 24          | JKNBZ0139FCZ1 | AD         | DJ  | N        | C         | PS knob   |
| 25          | MSPRC2841FCZZ | AC         | DJ  | N        | C         | PS brake spring                                     |
| 26          | LPINS0325FCZZ | AB         | DJ  | N        | C         | Spring pin  |
| 28          | PGIDM1887FCZZ | AQ         | EQ  | N        | C         | PS paper guide A                                    |
| 29          | PCLR-0461FCZZ | AC         | DJ  | N        | C         | U-turn roller                                       |
| 30          | NRÖLR1304FCZZ | AP         | EQ  | N        | C         | PS front roller                                     |
| 31          | LSTYM0260FCZZ | AK         | EB  | N        | C         | Support stay  |
| 32          | PGIDM1888FCZZ | AL         | EB  | N        | C         | PS paper guide B                                    |
| 34          | PSHEP4825FCZZ | AD         | DJ  | N        | C         | PS roller front sheet                               |
| 36          | QEARP0112FCZZ | AD         | DJ  | N        | C         | PS earth plate                                      |
| 37          | NCPL-0033FCZ1 | AC         | DJ  |          | C         | PS coupling   |
| 38          | LX-BZ0589FCZZ | AA         | DD  |          | C         | Screw   |
| 39          | LX-WZ0070FCZZ | AA         | DD  |          | C         | Washer  |
| 40          | CGIDH1961FC01 | AQ         | EQ  | N        | C         | Drum front PG                                       |
| 41          | XHBSE30P06000 | AA         | DD  |          | C         | Screw (3×6)   |
| 101         | XEBSD40P12000 | AA         | DD  |          | C         | Screw (4×12)  |
| ユニット (Unit) |               |            |     |          |           |   |
| 901         | CGIDM1887DS51 | BF         | GN  | N        | E         | PS roller guide unit [without NO.101] PSローラーガイドユニット |

### 3 PSローラーユニット(PS roller unit)



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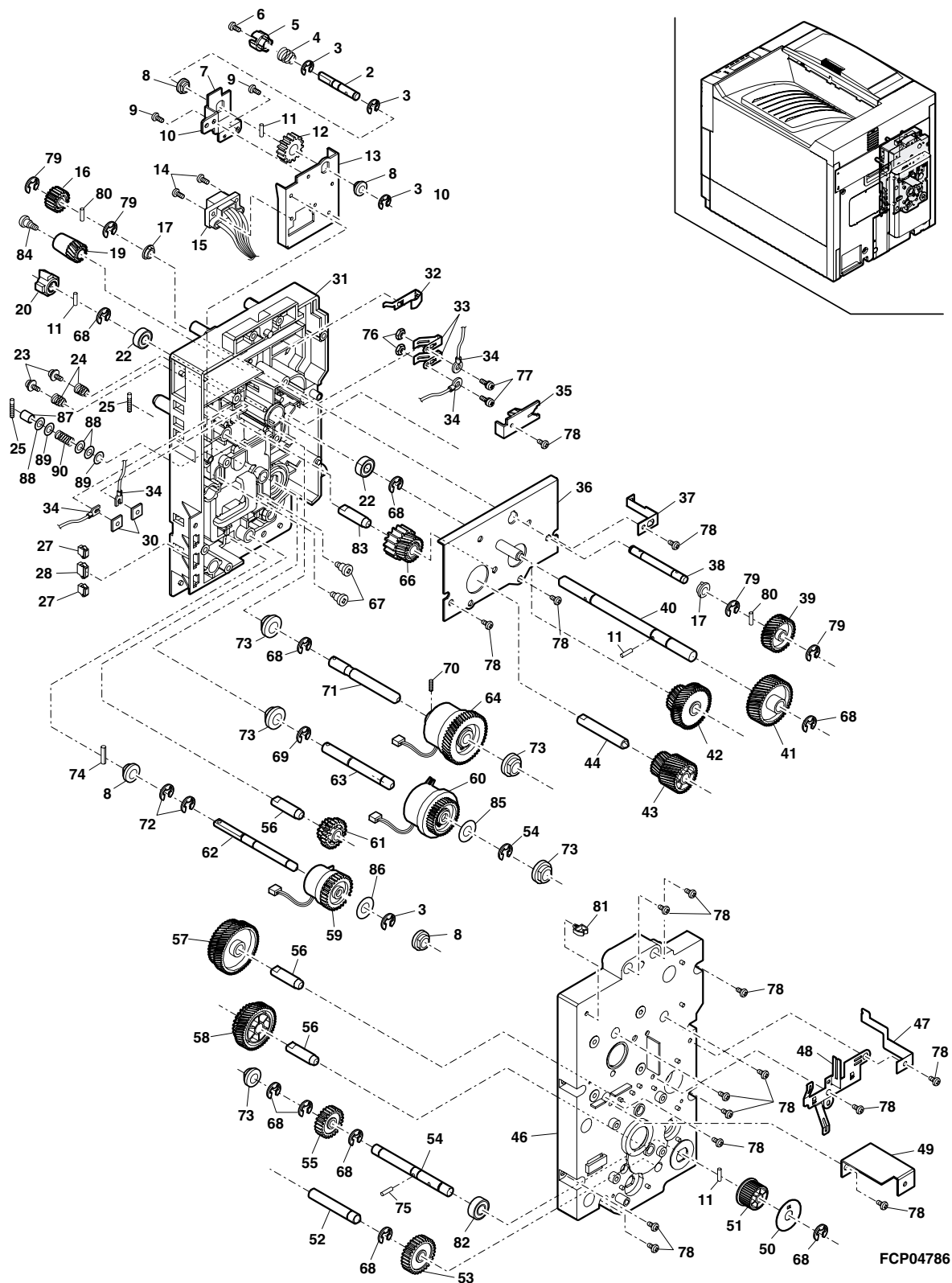
# 4 メイン駆動ユニット(Main drive unit)

| NO. | PARTS CODE     | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                    |
|-----|----------------|------------|-----|----------|-----------|--------------------------------|
|     |                | Ex.        | Ja. |          |           |                                |
| 2   | NSFTZ2584FCZZ  | AG         | DX  | N        | C         | DV joint shaft                 |
| 3   | XRESP50-06000  | AA         | DD  |          | C         | E type ring                    |
| 4   | MSPRC2616FCZZ  | AC         | DJ  |          | C         | DV drive spring                |
| 5   | NCPL-0046FCZZ  | AC         | DD  | N        | C         | DV coupling                    |
| 6   | LX-BZ0845FCZZ  | AC         | DD  |          | C         | Screw                          |
| 8   | NBRGC0387FCZ1  | AC         | DJ  |          | C         | Bearing                        |
| 9   | XHBSD30P06000  | AA         | DD  |          | C         | Screw (3×6)                    |
| 10  | LPLTM5712FCZZ  | AE         | DJ  | N        | C         | DV drive plate                 |
| 11  | LPINS0096FCZZ  | AB         | DD  |          | C         | Pin (φ3-12)                    |
| 12  | NGERH1240FCZZ  | AD         | DJ  |          | C         | DC drive gear (14T)            |
| 13  | LPLTM5713FCZZ  | AC         | DJ  | N        | C         | DV joint plate                 |
| 14  | XHBSD30P08000  | AA         | DD  |          | C         | Screw (3×8)                    |
| 15  | DHA1-3147FCZZ  | AP         | EQ  | N        | C         | DV interface harness           |
| 16  | NGERH1363FCZZ  | AC         | DJ  | N        | C         | Cleaner TB gear 19T            |
| 17  | NBRGC0190FCZ1  | AD         | DJ  |          | C         | F6 bearing                     |
| 19  | NCPL-0054FCZZ  | AE         | DJ  | N        | C         | Cleaner coupling               |
| 20  | NCPL-0048FCZZ  | AK         | DX  | N        | C         | Drum coupling                  |
| 22  | NBRGY0627FCZZ  | AK         | EB  |          | C         | Bearing                        |
| 23  | XBP3SD30P08K00 | AA         | DD  |          | C         | Screw (3×8K)                   |
| 24  | MSPRP1293FCZZ  | AB         | DD  |          | C         | Electrode spring               |
| 25  | LX-BZ0670FCZZ  | AC         | DD  |          | C         | Screw (3×8)                    |
| 27  | QCNCM0999FCZZ  | AC         | DJ  |          | C         | Connector (BU02P-TR-P-H)(2pin) |
| 28  | QCNCM1000FCZZ  | AC         | DJ  |          | C         | Connector (BU03P-TR-P-H)(3pin) |
| 30  | LPLTM5714FCZZ  | AB         | DJ  | N        | C         | M3 plate                       |
| 31  | LFRM-1016FCZZ  | BA         | FX  | N        | C         | Transfer drive frame lower     |
| 32  | QEARP0116FCZZ  | AC         | DD  | N        | C         | Left cabinet earth spring      |
| 33  | MSPRP2823FCZZ  | AD         | DJ  | N        | C         | TB spring                      |
| 34  | DHA1-3146FCZZ  | AL         | EB  | N        | C         | HV harness                     |
| 35  | PCÖVP1611FCZZ  | AC         | DJ  | N        | C         | Transfer high voltage cover    |
| 36  | CPLTM5711FC01  | AH         | DX  | N        | C         | DV gear fixing plate           |
| 37  | QEARP0117FCZZ  | AC         | DJ  | N        | C         | Drum earth joint spring        |
| 38  | NSFTZ2585FCZZ  | AG         | DX  | N        | C         | Cleaner TB shaft               |
| 39  | NGERH1416FCZZ  | AE         | DJ  | N        | C         | Cleaner gear                   |
| 40  | NSFTZ2580FCZZ  | AK         | DX  | N        | C         | Drum turn shaft                |
| 41  | NGERH1413FCZZ  | AM         | EG  | N        | C         | Drum gear                      |
| 42  | NGERH1415FCZZ  | AN         | EG  | N        | C         | DR idle gear                   |
| 43  | NGERH1429FCZZ  | AE         | DS  | N        | C         | Developer drive gear           |
| 44  | NSFTZ2579FCZZ  | AE         | DS  | N        | C         | Drum motor shaft               |
| 46  | PCÖVP1534FCZZ  | AX         | FG  | N        | C         | Transfer drive cover           |
| 47  | QEARP0118FCZZ  | AC         | DJ  | N        | C         | Transfer earth joint spring    |
| 48  | QEARP0115FCZZ  | AF         | DS  | N        | C         | Drum earth plate               |
| 49  | LPLTM5762FCZZ  | AC         | DJ  | N        | C         | Rear exterior fixing plate B   |
| 50  | PSHEP4826FCZZ  | AC         | DJ  | N        | C         | Pulley sheet                   |
| 51  | NPLYZ0283FCZZ  | AC         | DJ  |          | C         | Elevator drive pulley          |
| 52  | NSFTZ2581FCZZ  | AE         | DS  | N        | C         | Fusing drive shaft             |
| 53  | NGERH0349FCZZ  | AC         | DD  |          | C         | Gear (CL28T)                   |
| 54  | NSFTZ2574FCZZ  | AF         | DS  | N        | C         | Main drive joint shaft         |
| 55  | NGERH0457FCZZ  | AC         | DD  |          | C         | DC drive gear R                |
| 56  | NSFTZ2577FCZZ  | AL         | EB  | N        | C         | Main motor shaft               |
| 57  | NGERH1446FCZZ  | AN         | EG  | N        | C         | PS drive gear                  |
| 58  | NGERH1357FCZZ  | AD         | DJ  | N        | C         | Gear 48/28T                    |
| 59  | PCLC-0298FCZZ  | AT         | EZ  | N        | C         | Paper feed clutch              |
| 60  | PCLC-0297FCZZ  | AU         | FG  | N        | C         | PS front clutch                |
| 61  | NGERH1414FCZZ  | AC         | DD  | N        | C         | Paper feed joint gear          |
| 62  | NSFTZ2583FCZZ  | AF         | DS  | N        | C         | Paper feed shaft               |
| 63  | NSFTZ2575FCZZ  | AF         | DS  | N        | C         | PS front roller shaft          |
| 64  | PCLC-0296FCZZ  | AX         | FG  | N        | C         | PS clutch                      |
| 66  | NGERH1359FCZZ  | AD         | DJ  | N        | C         | Gear 15/24                     |
| 67  | LX-BZ0788FCZZ  | AC         | DD  |          | C         | Screw                          |
| 68  | XRESP70-08000  | AA         | DD  |          | C         | E type ring                    |
| 69  | XRESP60-07000  | AA         | DD  |          | C         | E type ring (6mm)              |
| 70  | LX-BZ0576FCZZ  | AC         | DJ  |          | C         | Screw (4×6)                    |
| 71  | NSFTZ2576FCZZ  | AF         | DS  | N        | C         | PS roller shaft                |
| 72  | XRESP40-05000  | AA         | DD  |          | C         | E type ring                    |
| 73  | NBRGC0641FCZZ  | AD         | DJ  | N        | C         | Bearing                        |
| 74  | LPINS0330FCZZ  | AB         | DJ  | N        | C         | Spring pin (φ3-16)             |
| 75  | LPINS0155FCZZ  | AA         | DD  |          | C         | Pin (φ3-10)                    |
| 76  | XNESD30-18000  | AA         | DD  |          | C         | Nut                            |
| 77  | XBP3SD30P06K00 | AA         | DD  |          | C         | Screw (3×6K)                   |
| 78  | XEBSD40P10000  | AA         | DD  |          | C         | Screw (4×10)                   |
| 79  | XRESP40-05000  | AA         | DD  |          | C         | E type ring                    |
| 80  | LPINS0133FCZZ  | AA         | DD  |          | C         | Pin (2×10)                     |
| 81  | LHLDW1006FCZZ  | AA         | DD  |          | C         | Mini clamp (UAMS-09-0)         |
| 82  | NBRGY0093FCZZ  | AK         | EB  |          | C         | Bearing                        |
| 83  | NSFTZ2578FCZZ  | AN         | EG  | N        | C         | Developer joint shaft          |
| 84  | LX-BZ0033GCZZ  | AC         | DD  |          | C         | Screw                          |
| 85  | PSHEP4947FCZZ  | AC         | DJ  |          | C         | PS F clutch sheet              |
| 86  | PSHEP4948FCZZ  | AC         | DJ  |          | C         | PF clutch sheet                |
| 87  | PSPAZ1430FCZZ  | AB         | DJ  |          | C         | Spacer (φ8-8)                  |
| 88  | LX-WZ0070FCZZ  | AA         | DD  |          | C         | MG roller Washer               |

#### 4 メイン駆動ユニット(Main drive unit)

| NO. | PARTS CODE    | PRICE RANK<br>Ex. Ja. | NEW<br>MARK | PART<br>RANK | DESCRIPTION               |
|-----|---------------|-----------------------|-------------|--------------|---------------------------|
| 89  | LX-WZ0017FCZZ | AA DD                 |             | C            | Adjust Washer 調整用ワッシャ     |
| 90  | MSPRC3027FCZZ | AC DJ                 |             | C            | PS front spring PS 前スプリング |
|     | ユニット (Unit)   |                       |             |              |                           |
| 901 | CFRM-1016DS51 | BP LP                 | N           | E            | Main drive unit メイン駆動ユニット |
|     |               |                       |             |              |                           |
|     |               |                       |             |              |                           |

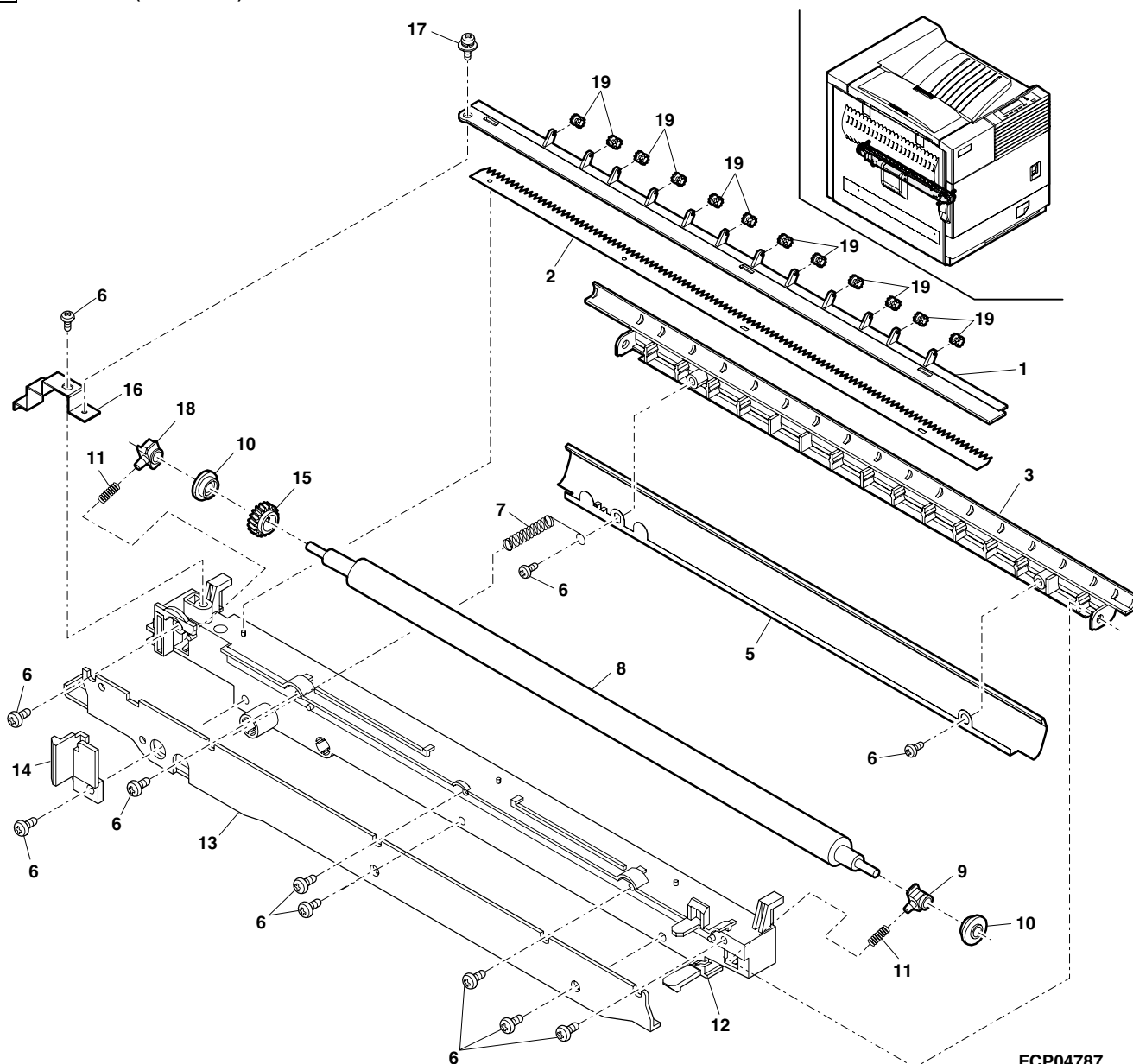
#### 4 メイン駆動ユニット(Main drive unit)



## 5 TCユニット(TC unit)

| NO.         | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                         |
|-------------|---------------|------------|-----|----------|-----------|-------------------------------------|
|             |               | Ex.        | Ja. |          |           |                                     |
| 1           | LHLDZ1482FCZ3 | AF         | DS  | N        | C         | Discharge plate holder 除電板ホルダー      |
| 2           | LPLTM5875FCZ1 | AK         | DX  | N        | C         | Discharge plate 除電板                 |
| 3           | PGIDM1950FCZ1 | AF         | DS  | N        | C         | Transfer front PG 転写前PG             |
| 5           | LPLTM5925FCZZ | AQ         | EQ  | N        | C         | Transfer front PG plate 転写前PG板      |
| 6           | XEBSD40P08000 | AA         | DD  |          | C         | Screw (4×8) ビス                      |
| 7           | MSPRC3000FCZZ | AC         | DJ  | N        | C         | Transfer front PG spring 転写前PGスプリング |
| 8           | NRÖLR1355FCZ1 | AZ         | FQ  | N        | C         | Transfer roller 転写ローラー              |
| 9           | NBRGP0655FCZZ | AD         | DJ  | N        | C         | TR bearing F TR軸受F                  |
| 10          | PCLR-0468FCZ1 | AC         | DJ  | N        | C         | Transfer roller collar 転写ローラーカラー    |
| 11          | MSPRC2955FCZZ | AB         | DJ  | N        | C         | Reverse pressure spring 反転圧接スプリング   |
| 12          | LHLDZ1474FCZ1 | AM         | EG  | N        | C         | TR holder TRホルダー                    |
| 13          | LPLTM5926FCZ1 | AS         | EQ  | N        | C         | Holder support plate ホルダー補強板        |
| 14          | PTME-0288FCZZ | AC         | DJ  | N        | C         | Transfer lockpawl 転写固定爪             |
| 15          | NGERH1419FCZZ | AK         | DX  | N        | C         | TR gear TRギヤ                        |
| 16          | QEARP0132FCZZ | AE         | DJ  | N        | C         | TR earth plate TRアース板               |
| 17          | XBPSD30P06KS0 | AA         | DD  |          | C         | Screw (3×6KS) ビス                    |
| 18          | NBRGP0656FCZZ | AD         | DJ  | N        | C         | TR bearing R TR軸受R                  |
| 19          | PRNGF0107FCZZ | AC         | DJ  | N        | C         | Starling 転写後スターリング                  |
| ユニット (Unit) |               |            |     |          |           |                                     |
| 901         | CHLDZ1474DS51 | BN         | LE  | N        | E         | Transfer unit 転写ユニット                |

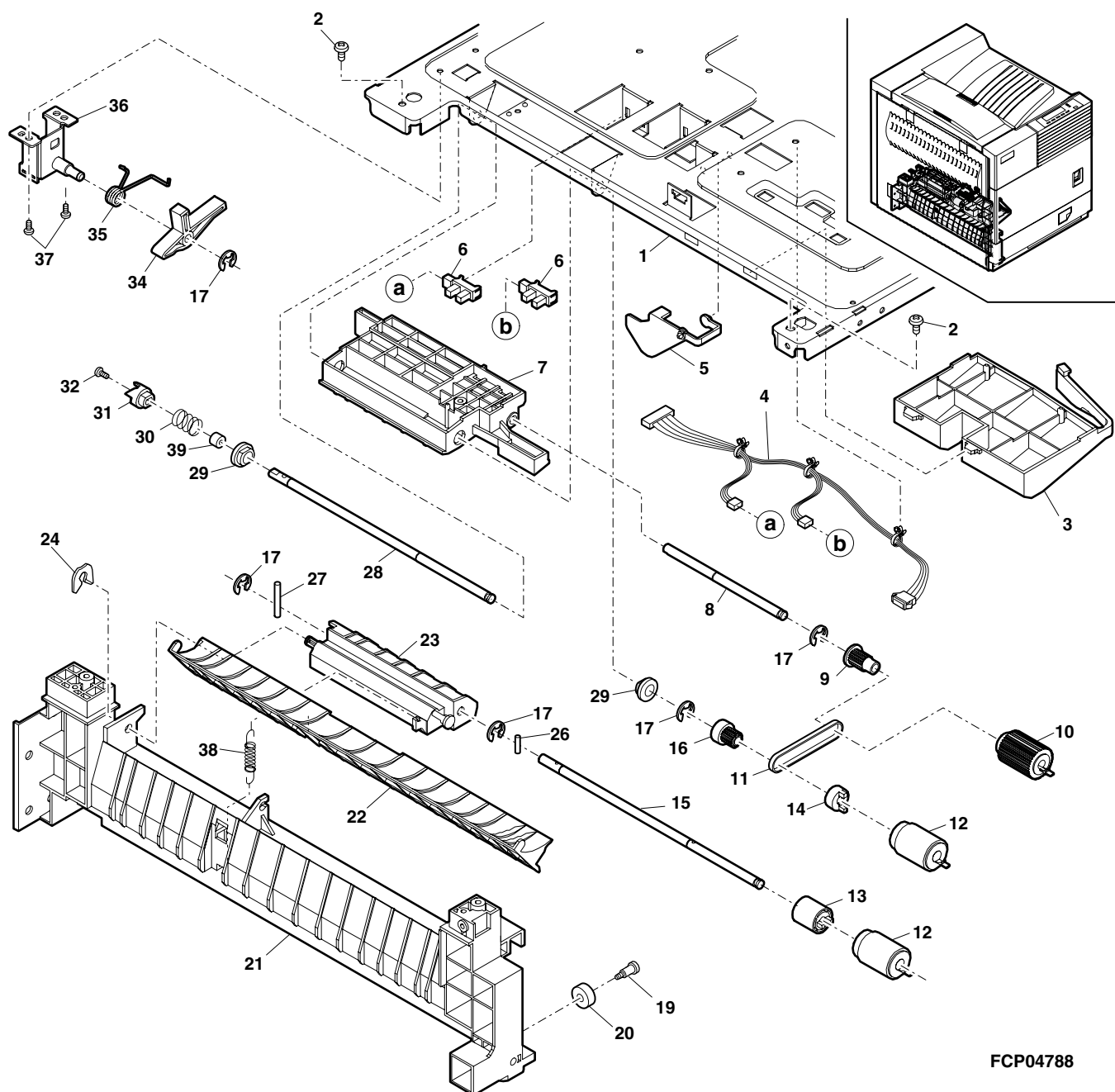
## 5 TCユニット(TC unit)



6 給紙ユニット (Cassette paper feeder)

[illegible]

## 6 給紙ユニット(Cassette paper feeder)



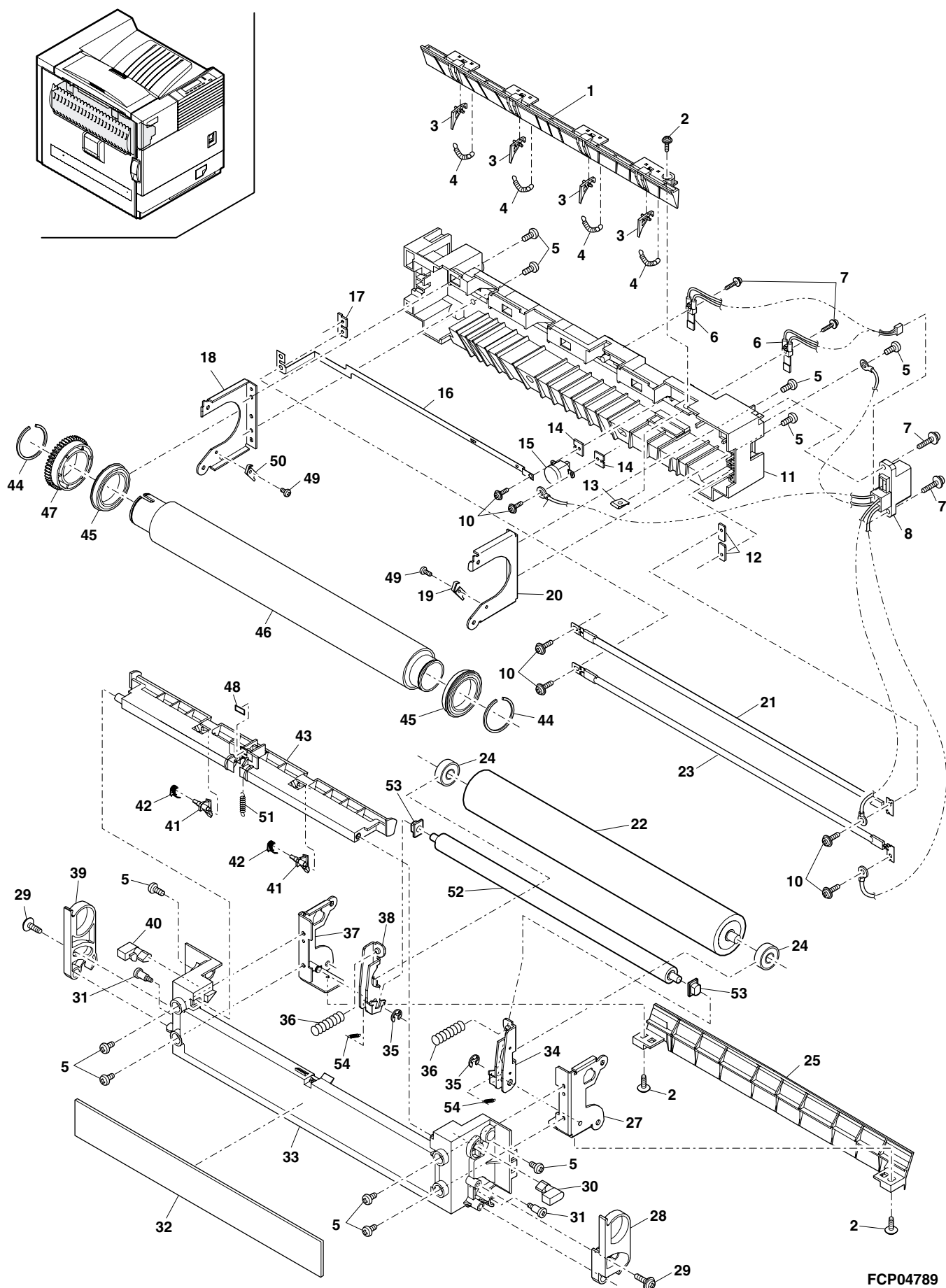
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7 定着ユニット(Fusing unit)

| NO. | PARTS CODE      | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION  |
|-----|-----------------|------------|-----|----------|-----------|--|
|     |                 | Ex.        | Ja. |          |           |  |
| 1   | PG i DM1895FCZZ | AN         | EG  | N        | C         | Fusing rear upper PG 定着後上 PG                       |
| 2   | LX-BZ3008SC0S   | AA         | DD  |          | C         | Screw (3×8) ビス                                     |
| 3   | PTME-0282FCZZ   | AH         | DX  |          | C         | Upper separator pawl 上剥離爪                          |
| 4   | MSPRT2852FCZZ   | AB         | DJ  | N        | C         | Top pawl spring 上爪スプリング                            |
| 5   | XHBSD40P08000   | AA         | DD  |          | C         | Screw (4×8) ビス                                     |
| 6   | RDTC T0147FCZZ  | AR         | EQ  | N        | B         | Themistor サ-ミスタ-                                   |
| 7   | LX-BZ0905FCZZ   | AB         | DD  | N        | C         | Screw (3×12KS) ビス                                  |
| 8   | DHA i-3156FCZZ  | AT         | EZ  | N        | C         | Fusing harness 定着ハ-ネス                              |
| 10  | XBPSD30P08KS0   | AA         | DD  |          | C         | Screw (3×8KS) ビス                                   |
| 11  | PCOVP1546FCZZ   | AZ         | FX  | N        | C         | Fusing upper cover 定着上カバー                          |
| 12  | LPLTM5737FCZZ   | AD         | DJ  | N        | C         | Lamp fixing plate F ランプ 取付板 F                      |
| 13  | LX-NZ0094FCZZ   | AC         | DD  | N        | C         | Nut (M3) スリ-ドナット                                   |
| 14  | LPLTM5739FCZZ   | AD         | DJ  | N        | C         | Thermostat fixing plate サ-モスタット取付板                 |
| 15  | RTHM-0023FCZZ   | AM         | EG  | N        | B         | Thermostat J [100V/110V] サ-モスタットJ                  |
|     | RTHM-0024FCZZ   | AM         | EG  | N        | B         | Thermostat EX [except100V/110V] サ-モスタットEX          |
| 16  | QEARP0123FCZZ   | AE         | DS  | N        | C         | Electrode 電極板                                      |
| 17  | LPLTM5738FCZZ   | AD         | DJ  | N        | C         | Lamp fixing plate R ランプ 取付板 R                      |
| 18  | LSTYM0268FCZZ   | AE         | DS  | N        | C         | HR support plate R HR 支持板 R                        |
| 19  | LF i X-0442FCZZ | AB         | DD  |          | C         | Fusing shaft fixing plate R 定着軸押え R                |
| 20  | LSTYM0267FCZZ   | AE         | DS  | N        | C         | HR support plate F HR 支持板 F                        |
| 21  | RLMPU0657FCZZ   | AY         | FQ  | N        | B         | Heater lamp sub 100 [100V/110V] ヒ-ターランプ サブ 100     |
|     | RLMPU0662FCZZ   | AX         | FG  | N        | B         | Heater lamp sub 120 [120V/127V] ヒ-ターランプ サブ 120     |
|     | RLMPU0664FCZZ   | AY         | FQ  | N        | B         | Heater lamp sub 240 [200V series] ヒ-ターランプ サブ 240   |
| 22  | NROL i1314FCZZ  | BG         | GT  | N        | C         | Pressure welding roller 圧着ロー-                      |
| 23  | RLMPU0656FCZZ   | AY         | FQ  | N        | B         | Heater lamp main 100 [100V/110V] ヒ-ターランプ メイン 100   |
|     | RLMPU0661FCZZ   | AX         | FG  | N        | B         | Heater lamp main 120 [120V/127V] ヒ-ターランプ メイン 120   |
|     | RLMPU0663FCZZ   | AY         | FQ  | N        | B         | Heater lamp main 240 [200V series] ヒ-ターランプ メイン 240 |
| 24  | NBRGY0093FCZZ   | AK         | EB  |          | C         | Bearing ベアリング A                                    |
| 25  | PG i DM1894FCZZ | AP         | EQ  | N        | C         | Fusing front lower PG 定着前下 PG                      |
| 27  | CSTYM0265FC01   | AF         | DS  | N        | C         | Pressure support plate F 加圧保持板 F                   |
| 28  | MLEVP0790FCZ1   | AE         | DJ  | N        | C         | Fusing lever F 定着レバ-F                              |
| 29  | XEPSF40P08X00   | AB         | DD  | N        | C         | Screw (4×8X) ビス                                    |
| 30  | MLEVP0786FCZZ   | AC         | DD  | N        | C         | Pressure adjust lever F 圧力調整レバ-F                   |
| 31  | LX-BZ0906FCZZ   | AC         | DD  | N        | C         | Screw (M4) 段ビス                                     |
| 32  | CFLT-0064FC01   | AN         | EG  | N        | C         | Fusing cushion 定着フェルト 5ヶ国                          |
| 33  | PCOVP1547FCZZ   | AY         | FQ  | N        | C         | Fusing lower cover 定着下カバー                          |
| 34  | MLEVF0788FCZ1   | AE         | DS  | N        | C         | Pressure lever F 加圧レバ-F                            |
| 35  | XRESP50-06000   | AA         | DD  |          | C         | E type ring Eリング                                   |
| 36  | MSPRC2854FCZZ   | AC         | DJ  | N        | C         | Fusing pressure spring 定着加圧スプリング                   |
| 37  | CSTYM0266FC01   | AF         | DS  | N        | C         | Pressure support plate R 加圧保持板 R                   |
| 38  | MLEVF0789FCZ1   | AE         | DS  | N        | C         | Pressure lever R 加圧レバ-R                            |
| 39  | MLEVP0791FCZ1   | AE         | DJ  | N        | C         | Fusing lever R 定着レバ-R                              |
| 40  | MLEVP0787FCZZ   | AC         | DD  | N        | C         | Pressure adjust lever R 圧力調整レバ-R                   |
| 41  | PTME-0283FCZZ   | AL         | EB  | N        | C         | Lower separator pawl 下剥離爪                          |
| 42  | MSPRD2853FCZZ   | AB         | DJ  | N        | C         | Lower pawl spring 下爪スプリング                          |
| 43  | PG i DM1951FCZZ | AQ         | EQ  | N        | C         | Fusing rear lower PG 定着後下 PG                       |
| 44  | LSTPF0172FCZZ   | AA         | DD  |          | C         | Roller stopper ローラーストップ-                           |
| 45  | NBRGY0646FCZZ   | BE         | GN  | N        | C         | Bearing 上HRベアリング                                   |
| 46  | NRÖLT1313FCZZ   | BE         | GN  | N        | C         | Heat roller upper 上ヒ-トロ-                           |
| 47  | NGERH1380FCZZ   | AQ         | EQ  | N        | C         | Fusing gear 48T 定着48Tギア                            |
| 48  | TLABZ4205FCZZ   | AC         | DJ  |          | D         | Green label グリ-ンラベル                                |
| 49  | XHPSD30P06000   | AA         | DD  |          | C         | Screw (3×6) ビス                                     |
| 50  | LF i X-0441FCZZ | AB         | DD  |          | C         | Fusing shaft fixing plate F 定着軸押え F                |
| 51  | MSPRT2957FCZZ   | AC         | DJ  | N        | C         | PG open close spring PG開閉スプリング                     |
| 52  | NRÖLM1387FCZZ   | AK         | EB  | N        | C         | CL roller CLロー-                                    |
| 53  | NBRGP0670FCZZ   | AC         | DJ  | N        | C         | CL roller bearing CLロー-軸受                          |
| 54  | MSPRT3028FCZZ   | AC         | DJ  | N        | C         | CL roller spring CLロー-スプリング                        |
| 901 | ユニット (Unit)     |            |     |          |           |  |
|     | DUNTW7095DSZZ   | CD         | UB  | N        | E         | Fusing unit [100V/110V] 定着ユニットJ                    |
|     | DUNTW7095DS11   | CC         | UB  | N        | E         | Fusing unit [120V/127V] 定着ユニットEX120                |
|     | DUNTW7095DS12   | CC         | UB  | N        | E         | Fusing unit [200V sereis] 定着ユニットEX200              |
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# 7 定着ユニット(Fusing unit)

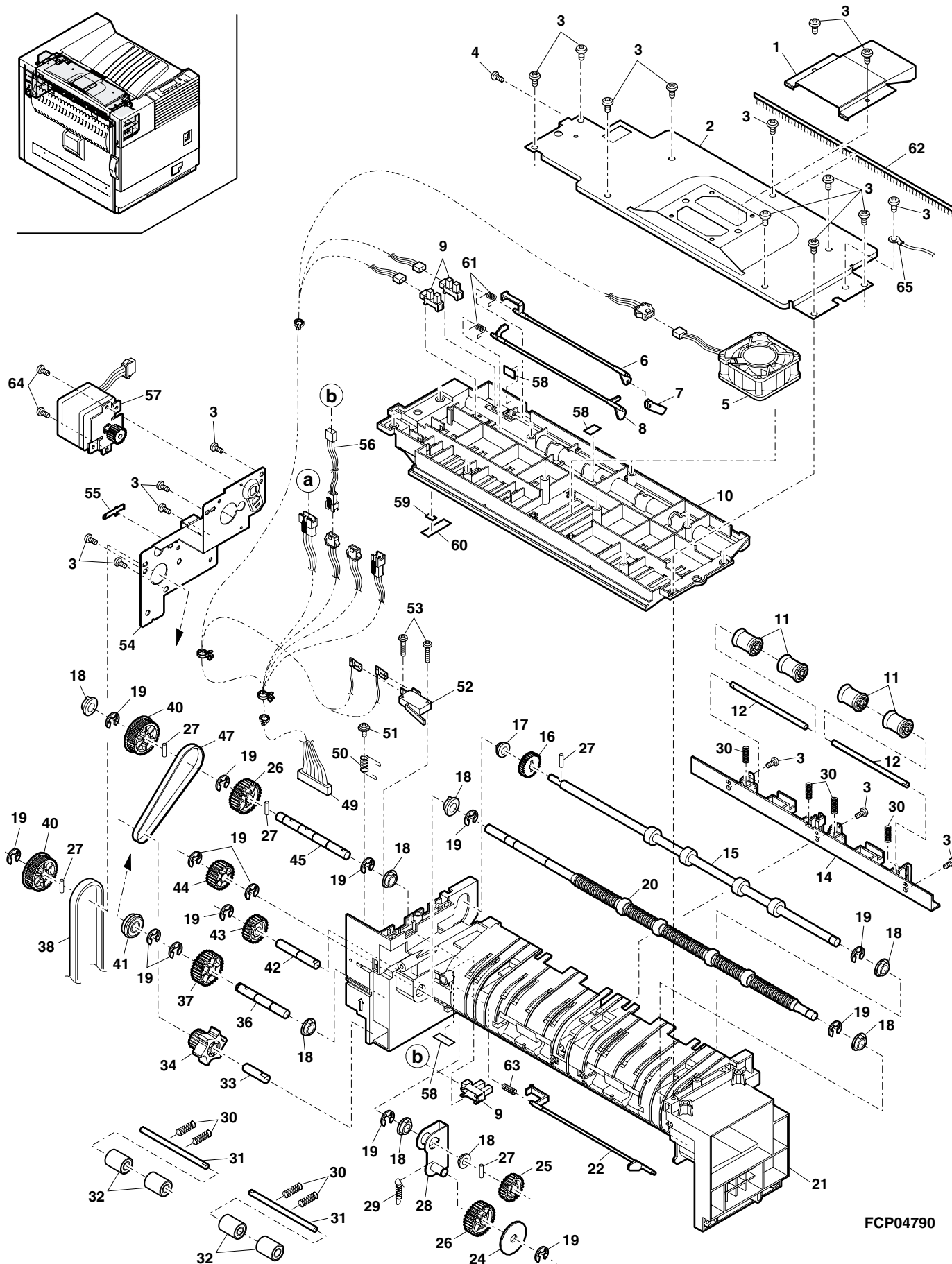


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8 排紙反転ユニット (Delivery turn over unit)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                             |                |
|-----|---------------|------------|-----|----------|-----------|---|----------------|
|     |               | Ex.        | Ja. |          |           |   |                |
| 1   | LPLTM5943FCZZ | AF         | DS  | N        | C         | Duct plate                              | ダクト板           |
| 2   | LPLTM5921FCZ1 | AQ         | EQ  | N        | C         | Paper exit upper PG support plate       | 排紙上PG補強板       |
| 3   | XEBSD40P10000 | AA         | DD  |          | C         | Screw (4×10)                            | ビス             |
| 4   | XHBSE40P08000 | AA         | DD  |          | C         | Screw (4×8)                             | ビス             |
| 5   | NFANP0063FCZZ | AW         | FG  | N        | B         | Fan                                     | ファン            |
| 6   | MLEVP0828FCZZ | AD         | DJ  | N        | C         | Paper exit actuator                     | 出紙アクチュエーター     |
| 7   | MLEVP0838FCZZ | AC         | DJ  | N        | C         | Detect lever                            | 満杯検知レバー        |
| 8   | MLEVP0792FCZ1 | AD         | DJ  | N        | C         | Paper exit actuator                     | 排紙アクチュエーター     |
| 9   | VHPGP1A73A+-1 | AG         | DX  |          | B         | LED (GP1A73A)                           | LED            |
| 10  | PGIDM1896FCZZ | AS         | EQ  | N        | C         | Paper exit upper PG                     | 排紙上PG          |
| 11  | NRÖLP1296FCZZ | AC         | DJ  | N        | C         | Paper exit follower roller              | 排紙従動ローラー       |
| 12  | NSFTZ2593FCZZ | AF         | DS  | N        | C         | Paper exit follower roller shaft        | 排紙従動ローラーシャフト   |
| 14  | LDAIU0626FCZ1 | AG         | DX  | N        | C         | Paper exit follower roller fixing plate | 排紙従動ローラー固定台    |
| 15  | NRÖLR1315FCZ1 | AN         | EQ  | N        | C         | Exit paper roller                       | 排紙ローラー         |
| 16  | NGERH1384FCZZ | AC         | DJ  | N        | C         | Paper exit gear 30T                     | 排紙駆動ギヤ30T      |
| 17  | NBRGC0387FCZ1 | AC         | DJ  |          | C         | Bearing                                 | ベアリング          |
| 18  | NBRGC0504FCZZ | AC         | DJ  |          | C         | PF bearing (F8×12×5 16X)                | ベアリング          |
| 19  | XRESP70-08000 | AA         | DD  |          | C         | E type ring                             | Eリング           |
| 20  | NRÖLR1316FCZ1 | BA         | FX  | N        | C         | Fusing roller rear                      | 定着後ローラー        |
| 21  | LFRM-1020FCZ1 | AZ         | FX  | N        | C         | Paper exit frame                        | 排紙フレーム         |
| 22  | MLEVP0793FCZZ | AE         | DJ  | N        | C         | Fusing rear actuator                    | 定着後アクチュエーター    |
| 24  | PCLR-0462FCZZ | AE         | DJ  | N        | C         | Collar                                  | カラー            |
| 25  | NGERH1398FCZZ | AL         | EB  | N        | C         | Gear 24T                                | 24Tギヤ          |
| 26  | NGERH1383FCZZ | AD         | DJ  | N        | C         | Fusing drive gear                       | 定着駆動ギヤ30T      |
| 27  | LPINS0265FCZZ | AB         | DJ  |          | C         | Spring pin (M3×12)                      | スプリングピン        |
| 28  | CPLTM5740FC01 | AE         | DJ  | N        | C         | Fusing joint plate                      | 定着連結板          |
| 29  | MSPRT2858FCZZ | AC         | DJ  | N        | C         | Fusing joint spring                     | 定着連結スプリング      |
| 30  | MSPRC2857FCZZ | AA         | DJ  | N        | C         | Paper exit follower roller spring       | 排紙従動ローラースプリング  |
| 31  | NSFTZ2594FCZZ | AP         | EQ  | N        | C         | Fusing rear follower shaft              | 定着後従動シャフト      |
| 32  | PCLR-0460FCZZ | AC         | DJ  | N        | C         | Transfer follwer collar                 | 搬送従動コロ         |
| 33  | NSFTZ2595FCZZ | AN         | EG  | N        | C         | Fusing knob shaft                       | 定着ノブ軸          |
| 34  | JKNBZ0140FCZZ | AF         | DS  | N        | C         | Fusing knob                             | 定着ノブ           |
| 36  | NSFTZ2598FCZZ | AG         | DS  | N        | C         | Fuing drive joint shaft                 | 定着駆動連結シャフト     |
| 37  | NGERH1421FCZZ | AH         | DX  | N        | C         | Oneway gear 30T                         | ワンウェイギヤ30T     |
| 38  | NBLTH0327FCZZ | AN         | EG  | N        | C         | Belt                                    | ベルト            |
| 40  | NPLYZ0385FCZZ | AD         | DJ  | N        | C         | Pulley (S3M-35T)                        | プーリー           |
| 41  | NBRGY0131FCZZ | AM         | EG  |          | C         | Bearing                                 | 軸受             |
| 42  | NSFTZ2597FCZZ | AE         | DS  | N        | C         | Fuing drive idle shaft                  | 定着駆動アイドルシャフト   |
| 43  | NGERH0111FCWZ | AD         | DJ  | N        | C         | Idle gear 24T                           | 24Tアイドルギヤ      |
| 44  | NGERH1447FCZZ | AH         | DX  | N        | C         | Oneway gear 24T                         | ワンウェイギヤ24T     |
| 45  | NSFTZ2596FCZZ | AG         | DX  | N        | C         | Ratchet shaft                           | ラチェット軸         |
| 47  | NBLTH0350FCZZ | AH         | DX  | N        | C         | Belt                                    | ベルト            |
| 49  | DHAi-3158FCZZ | AQ         | EQ  | N        | C         | Paper exit unit harness                 | 排紙ユニットハーネス     |
| 50  | MSPRD2859FCZZ | AE         | DJ  | N        | C         | Door switch spring                      | ドアスイッチスプリング    |
| 51  | LX-BZ0937FCZZ | AB         | DD  | N        | C         | Screw (3×12)                            | ビス             |
| 52  | QSW-M0502FCZZ | AH         | DX  |          | B         | Door switch (AM51632C531)               | ドアスイッチ         |
| 53  | XEBSD30P16000 | AA         | DD  |          | C         | Screw (3×16)                            | ビス             |
| 54  | LFRM-1021FCZ1 | AL         | EB  | N        | C         | Paper exit drive frame                  | 排紙駆動フレーム       |
| 55  | QEARP0124FCZZ | AK         | DX  | N        | C         | Paper exit earth plate                  | 排紙アース板         |
| 56  | DHAi-3157FCZZ | AE         | DS  | N        | C         | Sensor harness                          | センサーハーネス       |
| 57  | RMÖTS0859FCZZ | BC         | GD  | N        | B         | Paper exit motor                        | 排紙モーター         |
| 58  | PSHEZ4914FCZZ | AB         | DJ  | N        | C         | Paper exit soundproof sheet             | 排紙防音シート        |
| 59  | PMLT-1276FCZZ | AA         | DJ  | N        | C         | Paper exit cushion                      | 排紙モルト          |
| 60  | PSHEP4943FCZZ | AB         | DJ  | N        | C         | Reverse gate sheet                      | 反転ゲートシート       |
| 61  | MSPRD2855FCZZ | AB         | DJ  | N        | C         | Paper exit actuator spring              | 排紙アクチュエータスプリング |
| 62  | PBRSS0208FCZZ | AH         | DX  | N        | C         | Discharge brush                         | 除電ブラシ          |
| 63  | MSPRD2856FCZZ | AB         | DJ  | N        | C         | Fusing actuator spring                  | 定着アクチュエータスプリング |
| 64  | XHBSD30P06000 | AA         | DD  |          | C         | Screw (3×6)                             | ビス             |
| 65  | DHAi-3333FCZZ | AE         | DS  | N        | C         | Paper exit earth harness                | 排紙アースハーネス      |
|     | ユニット (Unit)   |            |     |          |           |   |                |
| 901 | CFRM-1020DS51 | BQ         | LP  | N        | E         | Paper exit reverse unit                 | 排紙反転ユニット       |
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# 8 排紙反転ユニット(Delivery turn over unit)

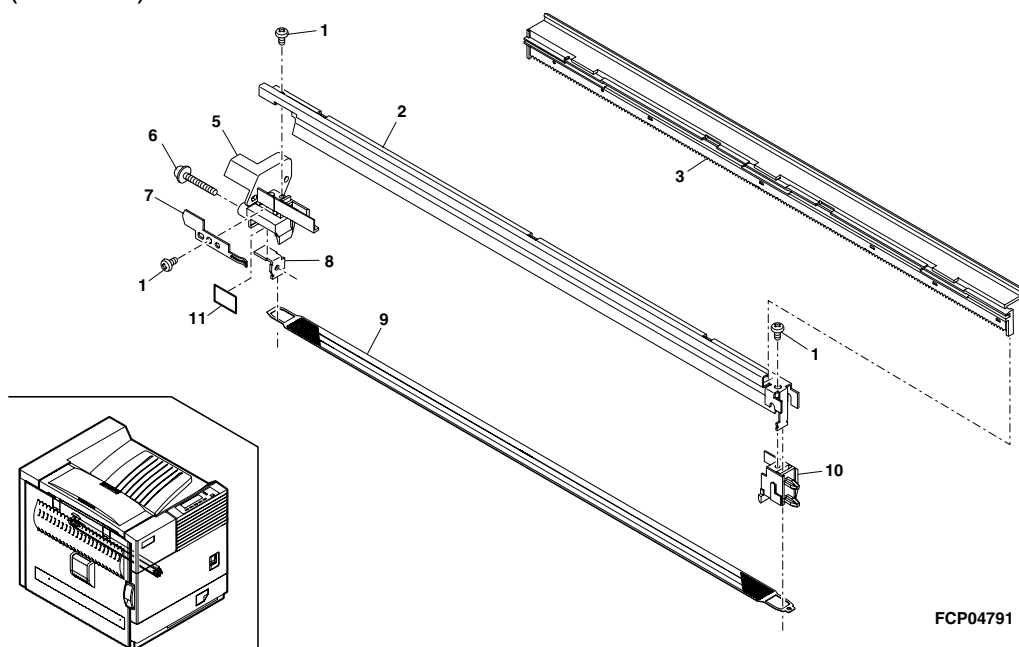


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## 9 MCユニット (MC unit)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION   |
|-----|---------------|------------|-----|----------|-----------|---------------|
|     |               | Ex.        | Ja. |          |           |               |
| 1   | XEBSD30P08000 | AA         | DD  |          | C         | Screw (3×8)   |
| 2   | PCASZ0295FCZZ | AP         | EQ  | N        | D         | MC case       |
| 3   | CPLTM5872DS51 | BR         | MJ  | N        | E         | Plate         |
| 5   | LHLDZ1470FCZZ | AD         | DJ  | N        | C         | MC holder A   |
| 6   | LX-BZ0859FCZZ | AC         | DD  |          | C         | Screw         |
| 7   | QSLP-0194FCZZ | AC         | DJ  | N        | C         | Terminal      |
| 8   | QSLP-0195FCZZ | AD         | DJ  | N        | C         | Grid terminal |
| 9   | LPLTM5873FCZZ | AG         | DX  | N        | C         | Grid          |
| 10  | LHLDZ1471FCZZ | AC         | DJ  | N        | C         | MC holder B   |
| 11  | PSHEP4911FCZZ | AB         | DJ  | N        | C         | MC sheet      |
|     | ユニット (Unit)   |            |     |          |           |               |
| 901 | CCASZ0295DS51 | BA         | FX  | N        | E         | MC unit       |
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## 9 MCユニット (MC unit)



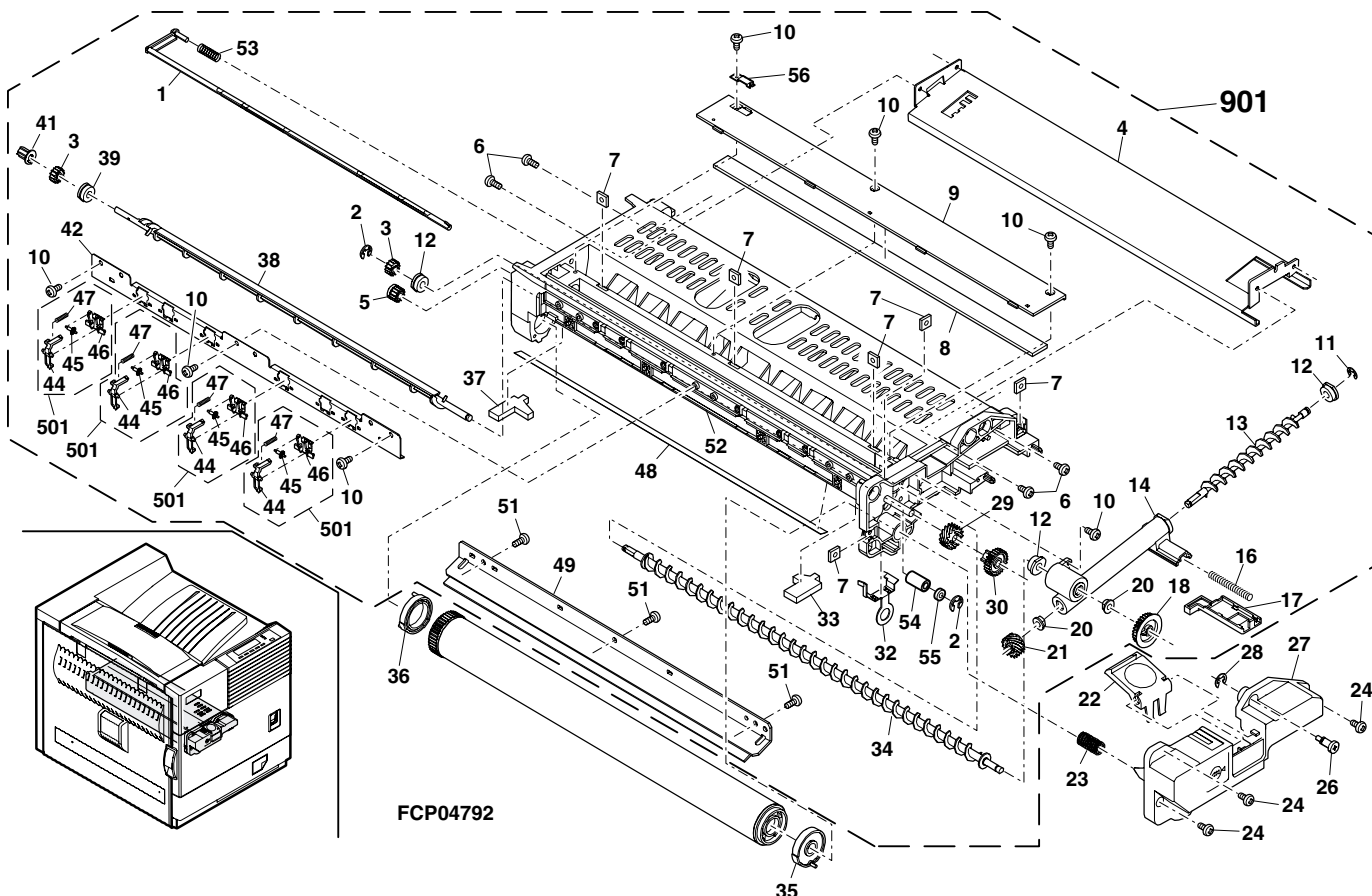
## 10 プロセスユニット (Process unit)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION               |
|-----|---------------|------------|-----|----------|-----------|---------------------------|
|     |               | Ex.        | Ja. |          |           |                           |
| 1   | MLEVP0832FCZZ | AF         | DS  | N        | C         | Lever                     |
| 2   | XRESP30-06000 | AA         | DD  |          | C         | E type ring               |
| 3   | NGERH1417FCZZ | AC         | DD  | N        | C         | Paddle gear 14T           |
| 4   | LRALM0180FCZ2 | AM         | EG  | N        | C         | TH rail C                 |
|     | LRALM0180FCZZ | AM         | EG  | N        | C         | TH rail A                 |
|     | LRALM0180FCZ1 | AM         | EG  | N        | C         | TH rail B                 |
| 5   | NGERH1418FCZZ | AC         | DD  | N        | C         | Paddle idle gear 14T      |
| 6   | XHBSE30P08000 | AA         | DD  |          | C         | Screw (3×8)               |
| 7   | LPLTM5714FCZZ | AB         | DJ  | N        | C         | M3 plate                  |
| 8   | PMLT-1245FCZ1 | AF         | DS  | N        | C         | Process U cushion         |
| 9   | PCOVP1589FCZZ | AG         | DS  | N        | C         | Process cover U           |
| 10  | XEBSD30P08000 | AA         | DD  |          | C         | Screw (3×8)               |
| 11  | XRESP40-06000 | AA         | DD  |          | C         | E type ring               |
| 12  | NBRGP0642FCZZ | AE         | DS  | N        | C         | Waste toner bearing       |
| 13  | NSRW-0033FCZZ | AD         | DJ  | N        | C         | 2nd Transfer screw        |
| 14  | PIPP0206FCZZ  | AD         | DJ  | N        | C         | Waste toner transfer pipe |
| 16  | MSPRC3010FCZZ | AB         | DJ  | N        | C         | Shutter open close spring |
| 17  | PSHT-0088FCZZ | AC         | DJ  | N        | C         | Pipe shutter              |
| 18  | NGERH1369FCZZ | AC         | DJ  | N        | C         | Toner transfer gear 30T   |
| 20  | NBRGP0322FCZZ | AC         | DD  |          | C         | Bearing MX                |
| 21  | NGERH0039QSZZ | AE         | DS  |          | C         | Transport pipe gear (14T) |
| 22  | MLEVP0782FCBZ | AC         | DJ  | N        | C         | Process lever BK          |
| 23  | MSPRC2842FCZZ | AC         | DJ  | N        | C         | DR spring                 |
| 24  | XBBS230P08000 | AA         | DD  | N        | C         | Screw (3×6)               |
| 26  | LX-BZ0656FCZZ | AD         | DJ  |          | C         | Screw                     |
| 27  | CCOVP1535FC01 | AM         | EG  | N        | C         | Process cover             |
| 28  | XRESP50-06000 | AA         | DD  |          | C         | E type ring               |
| 29  | NGERH0038QSZZ | AC         | DJ  |          | C         | Transport pipe gear (15T) |
| 30  | NGERH0037QSZZ | AC         | DJ  |          | C         | Idle gear (26T)           |
| 32  | QEARP0131FCZZ | AD         | DJ  | N        | C         | Process earth plate       |

# 10 フ° ㇑スユニット (Process unit)

| NO.         | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                 |   |
|-------------|---------------|------------|-----|----------|-----------|-----------------------------|---|
|             |               | Ex.        | Ja. |          |           |                             |   |
| 33          | PSHEZ4827FCZZ | AD         | DJ  | N        | C         | Sheet F                     | ㇑ットF  |
| 34          | NSRW-0032FCZZ | AG         | DX  | N        | C         | Transfer screw              | 搬送スクリュ                                      |
| 35          | LPFTF0107FCZZ | AK         | DX  | N        | C         | DSD flange F                | DSDフラヅ F                                    |
| 36          | LPFTF0108FCZZ | AK         | DX  | N        | C         | DSD flange R                | DSDフラヅ R                                    |
| 37          | PSHEZ4828FCZ1 | AD         | DJ  | N        | C         | Sheet R                     | ㇑ットR  |
| 38          | NROLP1354FCZZ | AG         | DX  | N        | C         | Transfer paddle             | 搬送パドル                                       |
| 41          | NCPL-0050FCZZ | AB         | DJ  | N        | C         | Waste toner screw coupling  | 廃トナースクリュカップ リンク                             |
| 42          | CCLEZ0163FC31 | AS         | EQ  | N        | C         | Sub bleed                   | サブブレード                                      |
| 44          | PTME-0286FCZZ | AH         | DX  | N        | C         | Separator pawl              | 剥離爪   |
| 45          | PRNGF0106FCZ1 | AC         | DJ  | N        | C         | Starling N                  | スターリング N                                    |
| 46          | LHLDZ1473FCZZ | AC         | DD  | N        | C         | Separation pawl holder      | 剥離爪ホルダー                                     |
| 47          | MSPRC2954FCZZ | AA         | DJ  | N        | C         | Sparation pawl spring       | 剥離爪バネ                                       |
| 48          | PMLT-1238FCZZ | AC         | DJ  | N        | C         | Toner shield cushion        | トナーシールドモルト                                  |
| 49          | CCLEZ0162FC31 | AW         | FG  | N        | C         | Cleaning bleed              | クリーニングブレード                                  |
| 51          | XBBS230P06000 | AD         | DJ  | N        | C         | Screw (3×6)                 | ビス  |
| 52          | CFRM-1017FC01 | AX         | FG  | N        | C         | Process frame               | フ° ㇑スフレームAS                                 |
| 53          | MSPRC2961FCZZ | AB         | DJ  | N        | C         | Lever spring                | 離接レバースタリング                                  |
| 54          | NBRGP0654FCZZ | AC         | DJ  | N        | C         | Transfer bearing F          | 搬送軸受F                                       |
| 55          | PSEL-0805FCZZ | AE         | DJ  | N        | C         | G seal                      | Gシール  |
| 56          | QEARP0133FCZZ | AC         | DJ  | N        | C         | Process earth plate B       | フ° ㇑スアース板B                                  |
| 501         | CHLDZ1473DS51 | BN         | HZ  | N        | E         | Separation pawl holder unit | 剥離爪ホルダーユニット                                 |
| ユニット (Unit) |               |            |     |          |           |                             |   |
| 901         | CFRM-1017DS71 | BN         | LE  | N        | E         | Process unit(include 9-901) | [USA,Canada] フ° ㇑スユニット(フ° ロック9-901 含む)      |
|             | CFRM-1017DS72 | BN         | LE  | N        | E         | Process unit(include 9-901) | [Other countries] フ° ㇑スユニット(フ° ロック9-901 含む) |
|             | CFRM-1017DS73 | BN         | LE  | N        | E         | Process unit(include 9-901) | [Japan] フ° ㇑スユニット(フ° ロック9-901 含む)           |

# 10 フ° ㇑スユニット (Process unit)

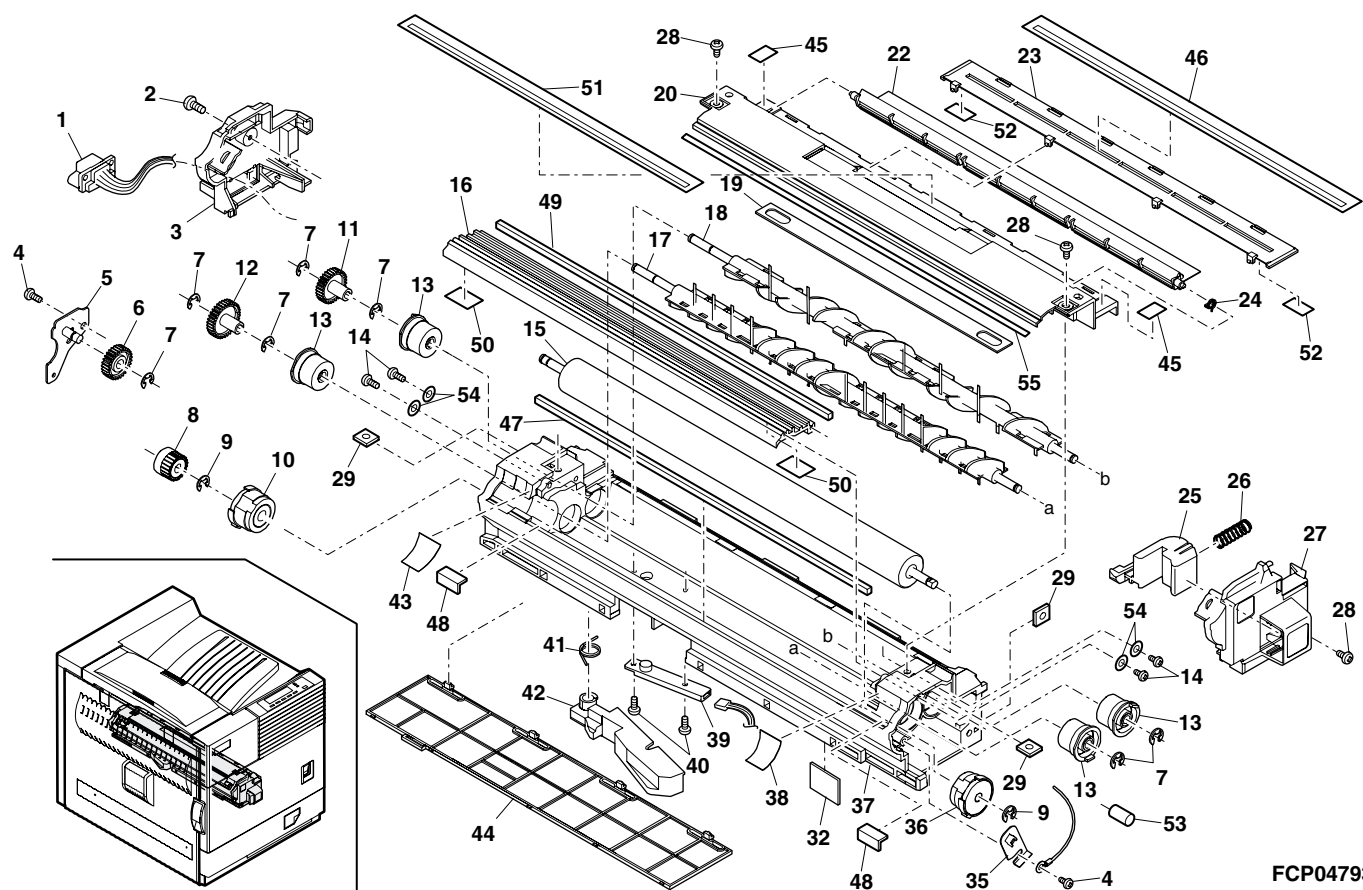


#### 11 DVユニット (Developer unit)

[illegible]



# 11 DVユニット (Developer unit)

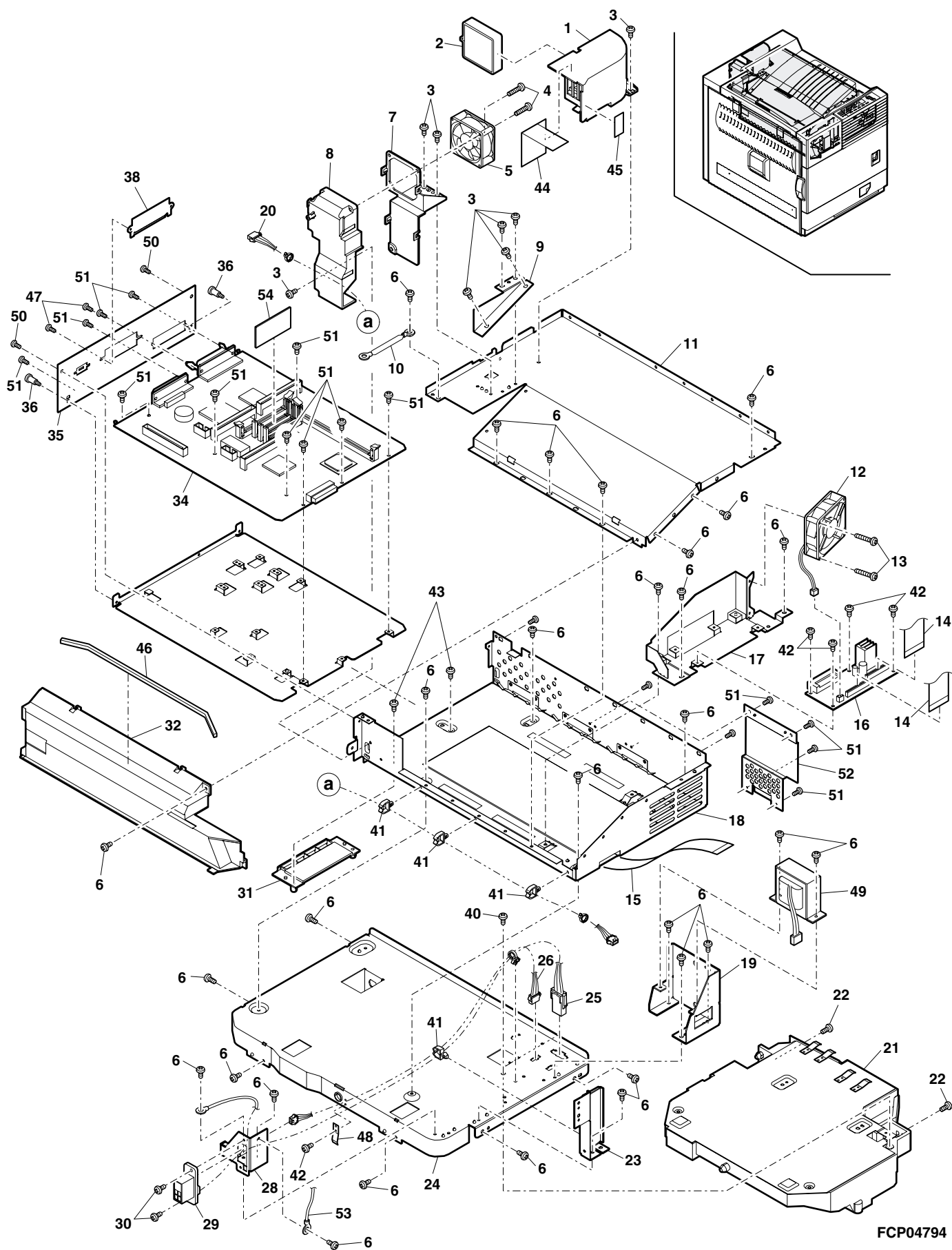




12 コントローラ-BOXユニット (Controller BOX unit)

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## 12 コントローラーBOXユニット(Controller BOX unit)

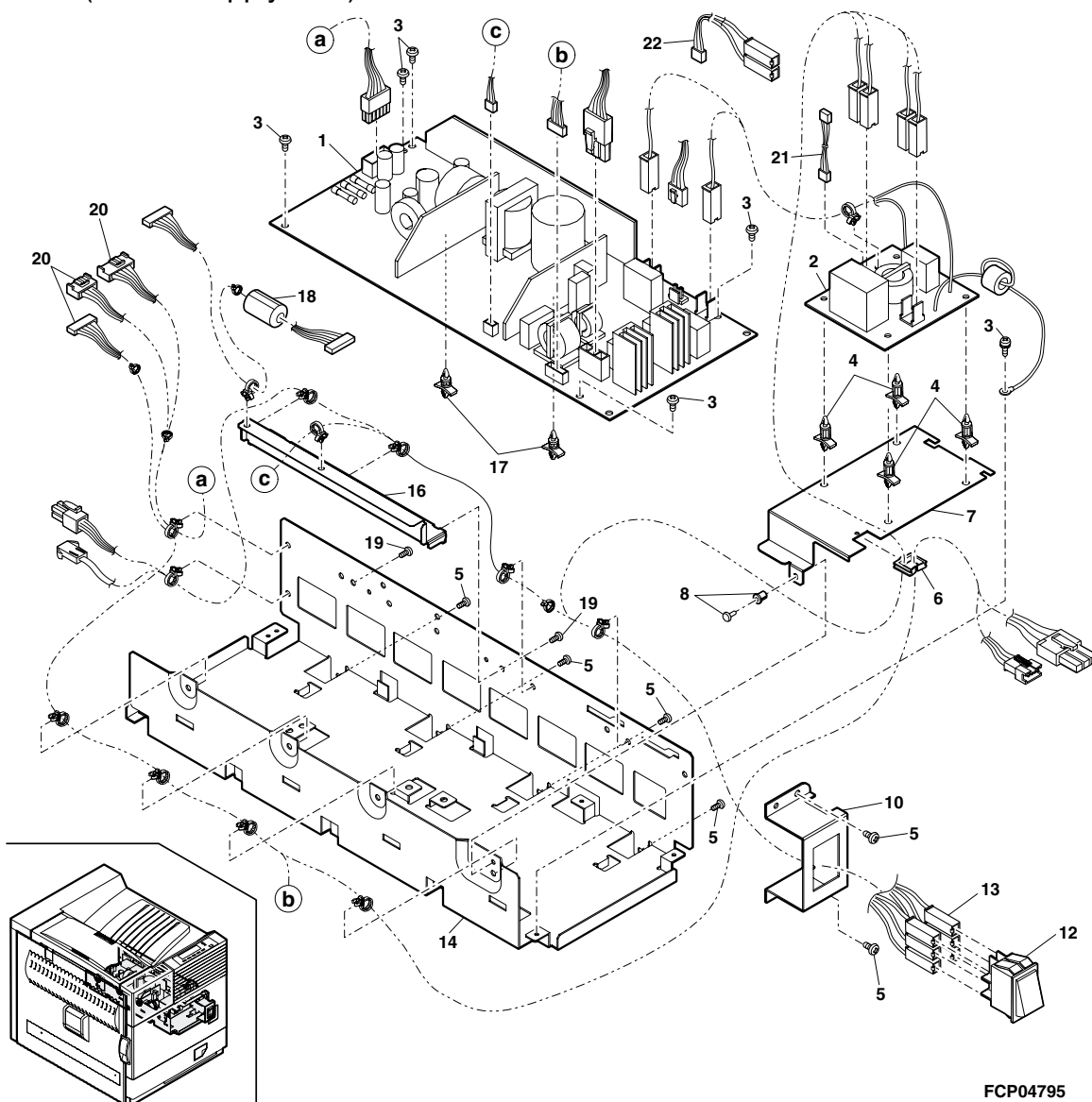


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### 13 電源ユニット (Power supply unit)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                    |               |                 |
|-----|---------------|------------|-----|----------|-----------|--------------------------------|---------------|-----------------|
|     |               | Ex.        | Ja. |          |           |                                |               |                 |
| 1   | RDENC0002FCZZ | BX         | RR  | N        | E         | AC/DC power supply PWB 100     | [100V series] | AC/DC 電源基板 100  |
|     | RDENC0003FCZZ | BX         | TF  | N        | E         | AC/DC power supply PWB 200     | [200V series] | AC/DC 電源基板 200  |
| 2   | CPWBF1502FCE1 | AZ         | FQ  | N        | E         | Filter PWB                     | [100V series] | フィルター基板ユニット100  |
|     | CPWBF1465DS51 | BN         | LE  | N        | E         | Filter PWB                     | [200V series] | フィルター基板ユニット200  |
| 3   | XBPSD30P08K00 | AA         | DD  |          | C         | Screw (3×8K)                   |               | ビス              |
| 4   | LSUPP0118FCZZ | AB         | DJ  |          | C         | Supporter (SPLSN6)             |               | サポーター           |
| 5   | XHBSE40P08000 | AA         | DD  |          | C         | Screw (4×8)                    |               | ビス              |
| 6   | LBSHZ1001ACZZ | AB         | DD  |          | C         | Bushing                        |               | ブッシング           |
| 7   | LPLTM5941FCZZ | AF         | DS  | N        | C         | Filter PWB fixing plate        |               | フィルター基板取付板      |
| 8   | LBSHZ2006SCZZ | AB         | DS  |          | C         | Bushing (NRP-345)              |               | 絶縁板             |
| 10  | LPLTM5766FCZZ | AE         | DJ  | N        | C         | Main switch fixing plate       |               | メインSW取付板        |
| 12  | QSW-C1381QCZZ | AY         | FQ  | N        | B         | Switch                         |               | スイッチ            |
| 13  | DHA1-3290FCZZ | AR         | EQ  | N        | C         | MSW interface harness          | [100V series] | MSW 中継ハーネスMFP10 |
|     | DHA1-3178FCZZ | AQ         | EQ  | N        | C         | MSW interface harness          | [200V series] | MSW 中継ハーネスMFP20 |
| 14  | LPLTM5756FCZZ | AY         | FQ  | N        | C         | Power supply unit fixing plate |               | 電源取付板           |
| 16  | LPLTM5942FCZ1 | AG         | DS  | N        | C         | Harness protect plate          |               | ハーネス保護板         |
| 17  | LSUPP0115FCZZ | AB         | DJ  |          | C         | Supporter (SPLSN3)             |               | サポーター           |
| 19  | XBBSD40P08000 | AA         | DD  |          | C         | Screw (4×8)                    |               | ビス              |
| 20  | DHA1-3289FCZZ | AT         | EZ  | N        | C         | AC/DC harness 100              | [100V series] | AC/DCハーネス100    |
|     | DHA1-3196FCZZ | AW         | FG  | N        | C         | AC/DC harness 200              | [200V series] | AC/DCハーネス200    |
| 21  | DHA1-3198FCZZ | AF         | DS  | N        | C         | harness                        | [200V series] | リアクトルハーネス       |
| 22  | DHA1-3253FCZZ | AF         | DS  | N        | C         | Filter IF harness              | [200V series] | フィルター中継ハーネス     |

### 13 電源ユニット (Power supply unit)

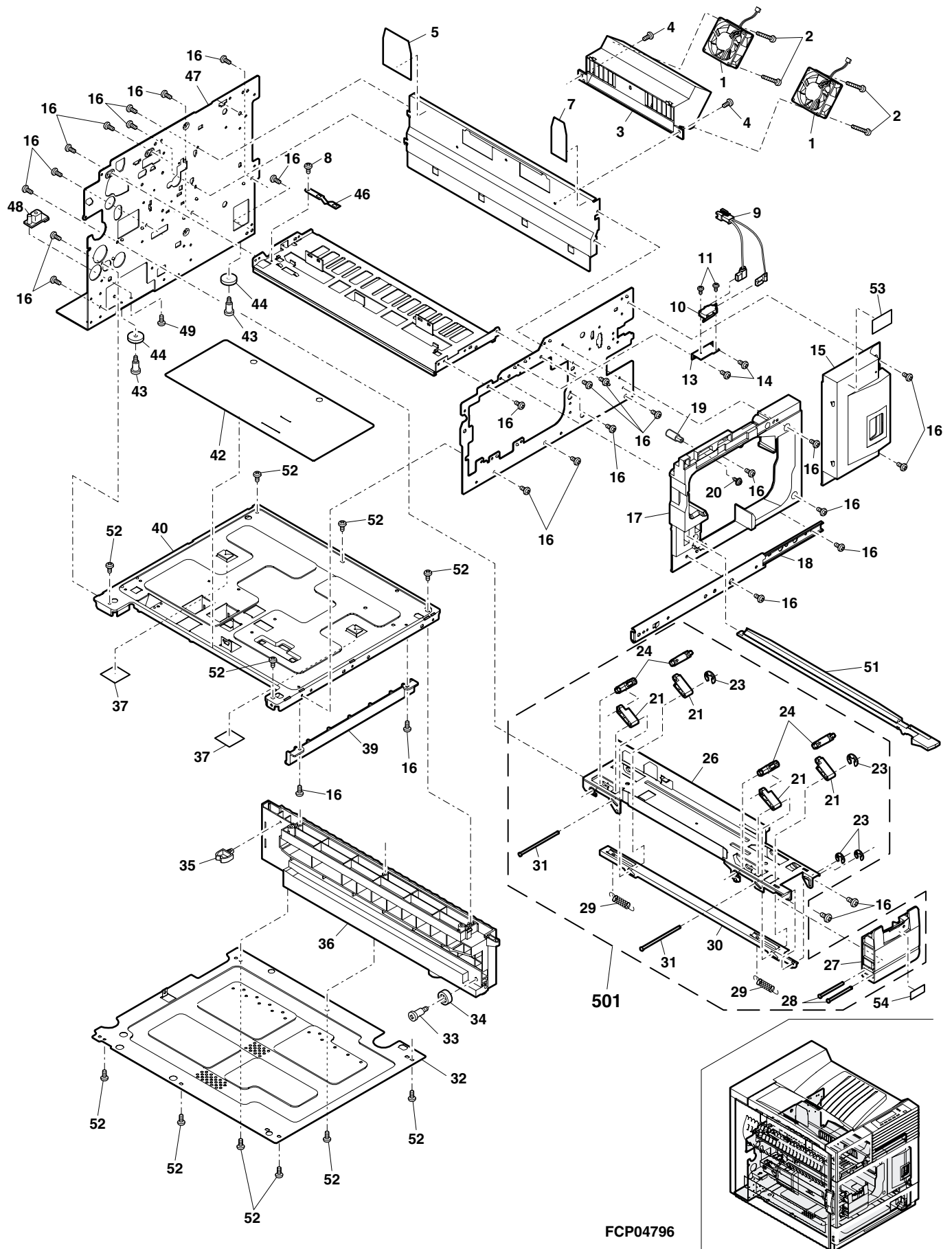


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**14** 後フレーム部 1 (Rear frame section 1)

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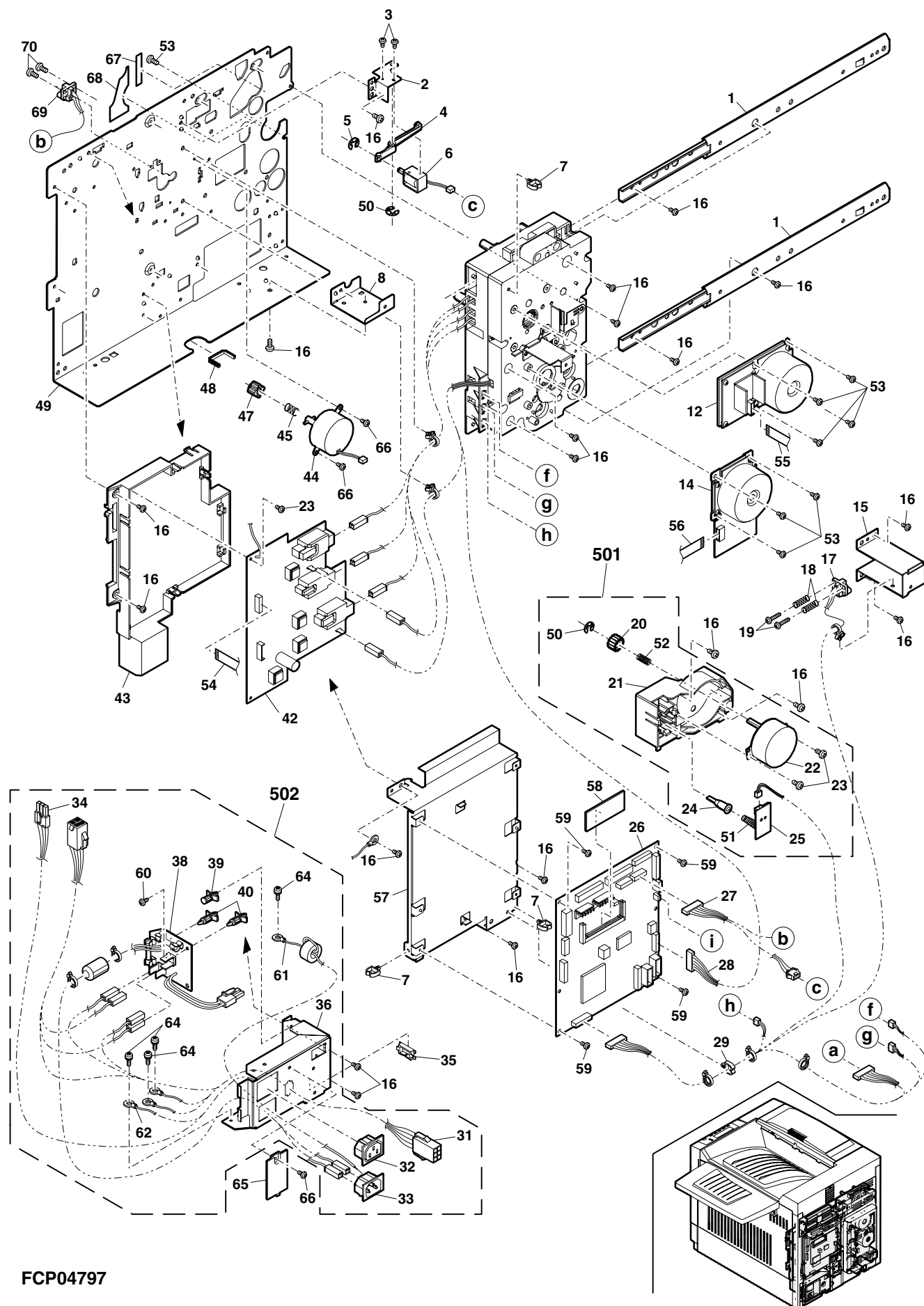
# 14 後フレーム部 1 (Rear frame section 1)



# 15 後フレーム部 2 (Rear frame section 2)

| NO. | PARTS CODE     | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION   |
|-----|----------------|------------|-----|----------|-----------|---|
|     |                | Ex.        | Ja. |          |           |   |
| 1   | MSL i-0139FCZZ | AR         | EQ  | N        | C         | Slider アキライド  |
| 2   | CPLTM5895FC01  | AD         | DJ  | N        | C         | Solenoid fixing plate ソレノイド 取付版                         |
| 3   | XBPSD20P03000  | AA         | DD  |          | C         | Screw (2×3) ビス  |
| 4   | MLEVP0831FCZZ  | AC         | DJ  | N        | C         | Separation pawl lever 剥離爪用レバ                            |
| 5   | XRESP40-06000  | AA         | DD  |          | C         | E type ring Eリング  |
| 6   | RPLU-0326FCZ1  | AN         | EQ  |          | B         | Separator pawl solenoid 剥離爪ソレノイド                        |
| 7   | LHLDW1006FCZZ  | AA         | DD  |          | C         | Mini clamp (UAMS-09-0) ミニクランプ                           |
| 8   | LPLTM5709FCZZ  | AD         | DJ  | N        | C         | Lift up fixing plate リフトアップ 取付板                         |
| 12  | RMOTP0875FCZZ  | BN         | LE  | N        | B         | Drum motor ドラムモーター                                      |
| 14  | RMOTP0861FCZZ  | BF         | GN  | N        | B         | Main motor 35 [AR350LP,ARP350] メインモーター35                |
|     | RMOTP0862FCZZ  | BF         | GN  | N        | B         | Main motor 45 [AR450LP,ARP450] メインモーター45                |
| 15  | LPLTM5761FCZZ  | AG         | DX  | N        | C         | Rear exterior fixing plate A 後キビ ネット取付板 A               |
| 16  | XHBSE40P08000  | AA         | DD  |          | C         | Screw (4×8) ビス  |
| 17  | DHA i-3167FCZZ | AP         | EQ  | N        | C         | Main drive interface harness メイン駆動中継ハーネス                |
| 18  | MSPRC2962FCZZ  | AA         | DJ  | N        | C         | Left cabinet spring 左キビ ネットスプリング                        |
| 19  | LX-BZ0932FCZZ  | AC         | DD  | N        | C         | Screw ビス  |
| 20  | NGERH1379FCZZ  | AC         | DJ  | N        | C         | Liftup gear リフトアップギヤ                                    |
| 21  | LDA iU0624FCZZ | AG         | DX  | N        | C         | Lift up base plate リフトアップベース                            |
| 22  | RMOTD0858FCZZ  | BR         | LX  | N        | B         | Lift up motor リフトアップモーター                                |
| 23  | XEBSD30P08000  | AA         | DD  |          | C         | Screw (3×8) ビス  |
| 24  | MARMP0252FCZZ  | AD         | DJ  |          | C         | Size detect SW arm サイズ検知SWアーム                           |
| 25  | CPWBF1457DS51  | AG         | DS  | N        | E         | Cassette detect PWB カセット検知基板                            |
| 26  | CPWBN1461FCE1  | BW         | RR  | N        | E         | PCU PWB unit [AR350LP,ARP350] PCU基板                     |
|     | CPWBN1461FCE2  | BW         | RR  | N        | E         | PCU PWB unit [AR450LP,ARP450] PCU基板                     |
| 31  | DHA i-3199FCZZ | AP         | EQ  | N        | C         | AC harness MFP ACハーネスMFP                                |
| 32  | QSOCA0078FCZZ  | AF         | DS  | N        | C         | Outlet アウトレット   |
| 33  | QSOCA0077FCZZ  | AF         | DS  | N        | C         | Inlet インレット   |
| 34  | DHA i-3172FCZZ | AD         | DJ  | N        | C         | Outlet harness アウトレットハーネス                               |
| 35  | LHLDW1263FCZZ  | AC         | DJ  |          | C         | Wire holder (EDS0607M) ワイヤホルダー                          |
| 36  | LPLTM5760FCZZ  | AL         | EB  | N        | C         | Inlet fixing plate インレット取付板                             |
| 38  | CPWBF1464DS51  | BN         | LE  | N        | E         | Fuse PWB JM [Japan only] ヒューズ基板JM                       |
|     | CPWBF1464DS52  | BN         | LE  | N        | E         | Fuse PWB 100M [100V serieis] ヒューズ基板100M                 |
|     | CPWBF1464DS53  | BN         | LE  | N        | E         | Fuse PWB 200M [200V serieis] ヒューズ基板200M                 |
| 39  | LSUPP1001ACZZ  | AB         | DD  |          | C         | PWB holder (KGPS-4S) スペーサー                              |
| 40  | LHLDW2330RCZZ  | AB         | DD  |          | C         | PWB holder (LCBS-04N) 基板ホルダー                            |
| 42  | RDENU0001FCZZ  | BP         | LP  | N        | E         | High voltage transformer 高圧トランス                         |
| 43  | LHLDZ1449FCZZ  | AH         | DX  | N        | C         | High voltage holder 高圧ホルダー                              |
| 44  | RMOTD0856FCZZ  | BA         | FX  | N        | B         | Toner motor トナーモーター                                     |
| 45  | MSPRC0024QSZZ  | AA         | DJ  |          | C         | Hopper spring ホッパースプリング                                 |
| 47  | NCPL-0045FCZZ  | AC         | DJ  | N        | C         | Hopper coupling ホッパーカップリング                              |
| 48  | LBSHC0090FCZZ  | AA         | DD  |          | C         | Bushing ブッシング   |
| 49  | LPLTM5707FCZZ  | AU         | EZ  | N        | C         | Rear fixing plate 後取付板                                  |
| 50  | XRESP30-06000  | AA         | DD  |          | C         | E type ring Eリング  |
| 51  | MSPRC2644FCZZ  | AB         | DJ  |          | C         | Size detect switch spring サイズ検知スイッチスプリング                |
| 52  | MSPRC2671FCZZ  | AB         | DJ  |          | C         | Lift up gear spring リフトアップギアスプリング                       |
| 53  | XEBSD40P10000  | AA         | DD  |          | C         | Screw (4×10) ビス   |
| 54  | QCNW-0171FCZZ  | AD         | DJ  | N        | C         | HV interface FFC HV中継FFC                                |
| 55  | QCNW-0175FCZZ  | AC         | DJ  | N        | C         | Drum motor interface FFC ドラムモーター中継FFC                   |
| 56  | QCNW-0174FCZZ  | AD         | DJ  | N        | C         | Main motor interface FFC メインモーター中継FFC                   |
| 57  | LPLTM5755FCZZ  | AR         | EQ  | N        | C         | PCU fixing plate PCU取付板                                 |
| 58  | VH i28F081L01F | BE         | GN  | N        | B         | PCU flash ROM (28F081L01F) PCUフラッシュROM UN               |
| 59  | XBBSD30P06000  | AA         | DD  |          | C         | Screw (3×6) ビス  |
| 60  | XBPSD30P06K00  | AA         | DD  |          | C         | Screw (3×6K) ビス   |
| 61  | DHA i-3284FCZZ | AE         | DJ  | N        | C         | Noise earth harness ノイズアースハーネス                          |
| 62  | DHA i-3176FCZZ | AC         | DJ  | N        | C         | AC earth harness ACアースハーネス                              |
| 64  | XBPSD40P06K00  | AA         | DD  |          | C         | Screw (4×6K) ビス   |
| 65  | PCOVP1623FCZZ  | AD         | DJ  | N        | C         | FAX connector cover FAXコネクタカバー                          |
| 66  | XHBSE30P06000  | AA         | DD  |          | C         | Screw (3×6) ビス  |
| 67  | PMLT-1277FCZZ  | AC         | DJ  | N        | C         | Seal cushion A シールパッドA                                  |
| 68  | PMLT-1278FCZZ  | AD         | DJ  | N        | C         | Seal cushion B シールパッドB                                  |
| 69  | DHA i-3144FCZZ | AK         | DX  | N        | C         | Hopper interface harness ホッパー中継ハーネス                     |
| 70  | LX-BZ0901FCZZ  | AC         | DD  | N        | C         | Screw ビス  |
| 501 | CDA iU0624DS51 | BP         | LP  | N        | E         | Lift up unit リフトアップユニット                                 |
| 502 | CPLTM5760DS51  | BR         | LX  | N        | E         | Inlet fixing plate unit [Japan only] インレット取付板ユニットJM     |
|     | CPLTM5760DS52  | AY         | FQ  | N        | E         | Inlet fixing plate unit [100V serieis] インレット取付板ユニット100M |
|     | CPLTM5760DS53  | BR         | LX  | N        | E         | Inlet fixing plate unit [200V serieis] インレット取付板ユニット200M |

# 15 後フレーム部 2 (Rear frame section 2)



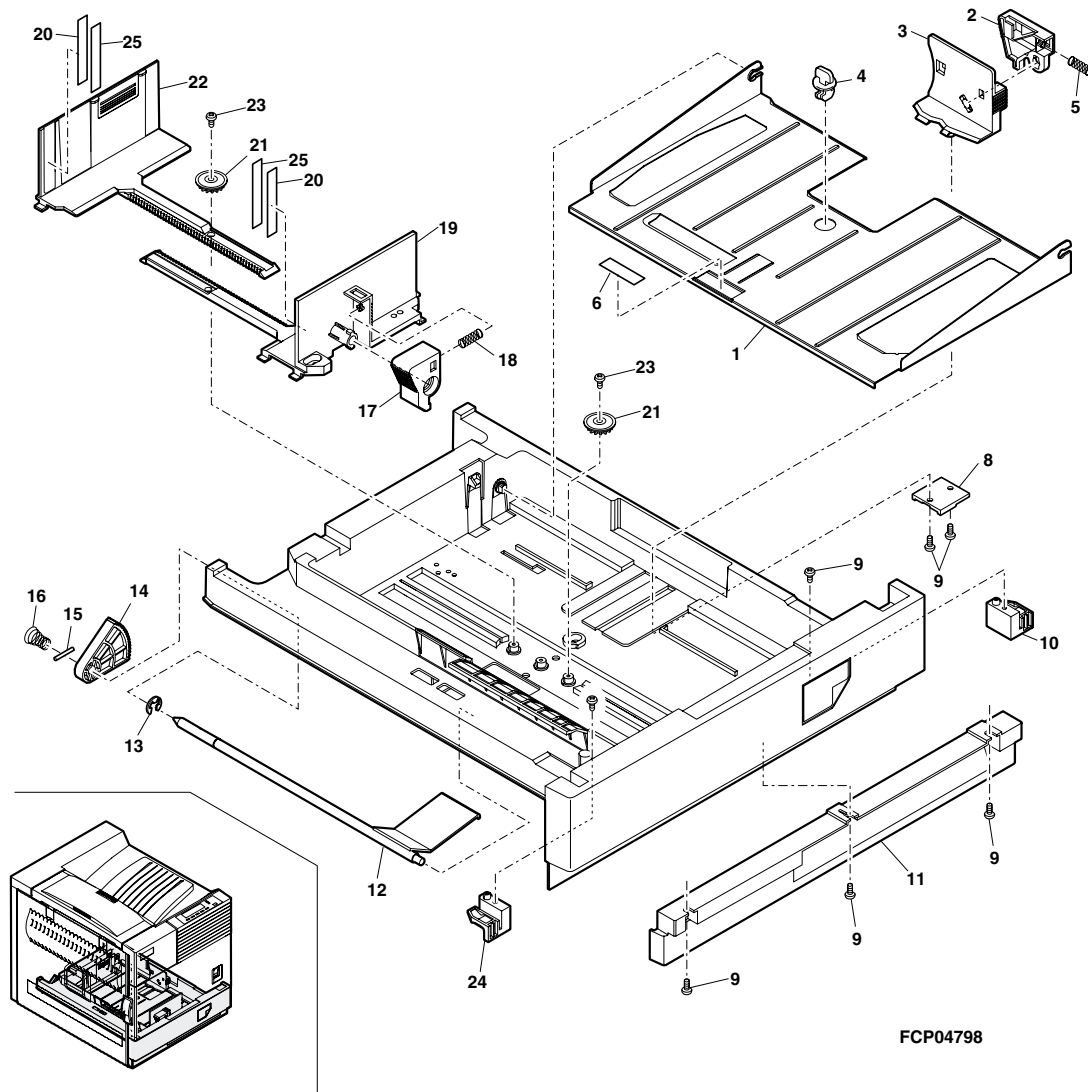
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# 16 カセットユニット(Cassette unit)

| NO.         | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION               |              |
|-------------|---------------|------------|-----|----------|-----------|---------------------------|--------------|
|             |               | Ex.        | Ja. |          |           |                           |              |
| 1           | LPLTM5735FCZZ | AR         | EQ  | N        | C         | Turn plate                | 回転板          |
| 2           | MLEVP0754FCZZ | AF         | DS  |          | C         | Rear plate lever          | 後端板レバ-コピ7    |
| 3           | LPLTP5413FCWZ | AE         | DS  | N        | C         | Rear edge plate           | 後端板          |
| 4           | LHLDW1226FCZZ | AB         | DJ  |          | C         | Turn fastener             | ターンファスナ-     |
| 5           | MSPRC2641FCZ1 | AB         | DJ  |          | C         | Rear plate spring         | 後端板スプリング     |
| 6           | PSHEZ3130FCZZ | AB         | DD  |          | C         | Rotation plate sheet      | 回転板シート       |
| 8           | LHLDZ1377FCZZ | AD         | DJ  |          | C         | Rear plate holder         | 後端板ホルダ-      |
| 9           | XEBSD40P08000 | AA         | DD  |          | C         | Screw (4×8)               | ビス           |
| 10          | PTME-0280FCZZ | AD         | DJ  | N        | C         | Cassette pawl right       | カセット爪右       |
| 11          | PCOVP1545FCZZ | AP         | EB  | N        | C         | Cassette front cover      | カセット前カバー     |
| 12          | CPLTM5736FC01 | AP         | EQ  | N        | C         | Lift plate                | リフトプレートAS    |
| 13          | XRESP70-08000 | AA         | DD  |          | C         | E type ring               | Eリング         |
| 14          | NGERH1378FCZZ | AD         | DJ  | N        | C         | Sector gear               | 扇形ギヤ         |
| 15          | LPINS7062SCZZ | AA         | DD  |          | C         | Pin (3×16)                | ピン           |
| 16          | MSPRC2851FCZZ | AB         | DJ  | N        | C         | Cassette earth spring     | カセットアーススプリング |
| 17          | MLEVP0755FCZ1 | AE         | DJ  |          | C         | Side plate F lever        | 側板Fレバ-       |
| 18          | MSPRC2631FCZZ | AC         | DJ  |          | C         | Side plate F lever spring | 側板Fレバ-スプリング  |
| 19          | LPLTP5733FCZZ | AH         | DX  | N        | C         | Side plate F              | 側板F          |
| 20          | PTPE-0243FCZZ | AD         | DJ  |          | C         | Side plate tape           | 側板用両面テープ     |
| 21          | NGERH0193FCZZ | AB         | DD  |          | C         | UC manual feed gear       | 手差しギヤ        |
| 22          | LPLTP5734FCZZ | AG         | DX  | N        | C         | Side plate R              | 側板R          |
| 23          | LX-BZ0884FCZZ | AB         | DD  |          | C         | Screw                     | ビス           |
| 24          | PTME-0281FCZZ | AD         | DJ  | N        | C         | Cassette pawl left        | カセット爪左       |
| 25          | PGIDH1833FCZZ | AC         | DJ  |          | C         | Side plate guide          | 側板GID板       |
| ユニット (Unit) |               |            |     |          |           |                           |              |
| 901         | CCASP0175FC31 | BD         | GN  | N        | E         | Cassette unit             | カセットユニット     |
|             |               |            |     |          |           |                           |              |
|             |               |            |     |          |           |                           |              |
|             |               |            |     |          |           |                           |              |

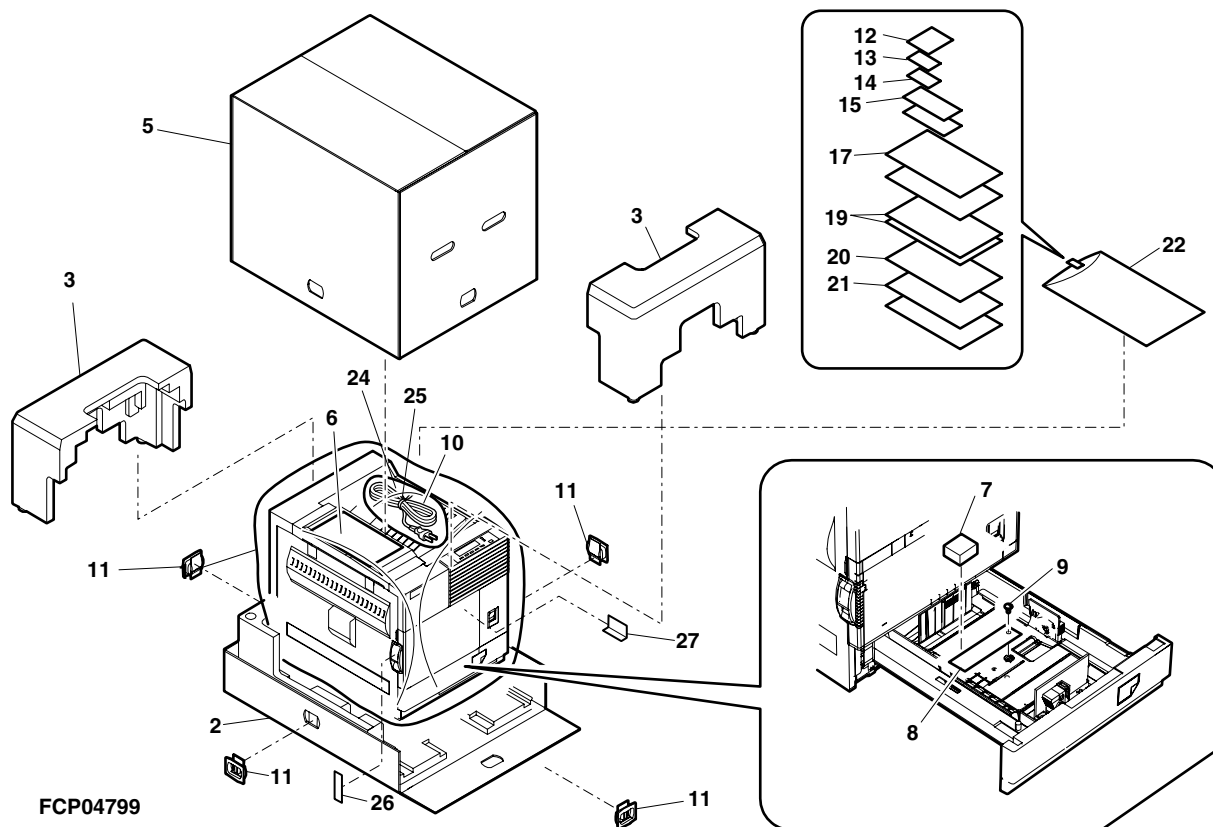
# 16 カセットユニット(Cassette unit)



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## 17 梱包 & 付属品 (Packing material & Accessories)



## 17 梱包 & 付属品 (Packing material & Accessories)

| NO. | PARTS CODE       | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION   |
|-----|------------------|------------|-----|----------|-----------|---|
|     |                  | Ex.        | Ja. |          |           |   |
| 1   | SSAKZ0019FCZZ    | AM         | EG  | N        | D         | Vinyl bag 静電ホリ袋   |
| 2   | CPAKA6127FC01    | AF         | DS  | N        | D         | Packing case lower 底ケース   |
| 3   | SPAKA6123FCZZ    | AW         | FG  | N        | D         | Packing add ハッキングアド   |
| 5   | SPAKC6122DS12    | AU         | EZ  | N        | D         | Packing case [ARP350][STCL,SRS,SRSSC] ハッキングケース  |
|     | SPAKC6122DS11    | AU         | EZ  | N        | D         | Packing case [ARP350][other countries] ハッキングケース                                       |
|     | SPAKC6122DS15    | AU         | EZ  | N        | D         | Packing case [ARP450][STCL,SRS,SRSSC] ハッキングケース  |
|     | SPAKC6122DS14    | AU         | EZ  | N        | D         | Packing case [ARP450][other countries] ハッキングケース                                       |
|     | SPAKC6118DSZZ    | AU         | EZ  | N        | D         | Packing case [AR350LP][Japan] ハッキングケース  |
|     | SPAKC6118DS11    | AU         | EZ  | N        | D         | Packing case [AR450LP][Japan] ハッキングケース  |
| 6   | TCADZ1521FCZZ    | AE         | DJ  | N        | D         | Fusing pressurization manual 定着加圧説明書  |
| 7   | SPAKA6236FCZZ    | AD         | DJ  | N        | D         | Packing add ハッキングアド   |
| 8   | TCADZ1275FCZZ    | AB         | DJ  |          | D         | Cassette rotation tag 磁セット注意カード   |
| 9   | LHLDW1226FCZZ    | AB         | DJ  |          | C         | Turn fastener ターンファスター  |
| 10  | QACCB7623QCZZ    | AQ         | EQ  | N        | B         | AC cord [U Kingdom] ACコード   |
|     | QACCD7911QCZZ    | AQ         | EQ  | N        | B         | AC cord [USA Canada,Brazil] ACコード   |
|     | QACCE6921QCZZ    | AD         | DJ  | N        | B         | AC cord [Europe,Germany,Lebanon,Iran,Iraq,Algeria,Nigeria,E.Africa,Pakistan] ACコード    |
|     | QACCE6921QCZZ    | AD         | DJ  | N        | B         | AC cord [Indonesia,Egypt,Jordan,Tunisia,Syria,Morocco,Russia] ACコード                   |
|     | QACCJ6614QCZZ    | AY         | FQ  | N        | B         | AC cord [Japan,Philippines] ACコード   |
|     | QACCL7921QCZZ    | AC         | DJ  | N        | B         | AC cord [Australia,New Zealand,Yemen,SaudiArabia,Bahrain,UAE,Oman,Qatar,Kuwait] ACコード |
|     | DHA i - 3332DSZZ | BB         | GD  | N        | B         | AC cord [Singapore] ACコード   |
|     | DHA i - 3332DS11 | BB         | GD  | N        | B         | AC cord [South Africa,Sri Lanka,India] ACコード  |
|     | DHA i - 3332DS12 | BB         | GD  | N        | B         | AC cord [Israel] ACコード  |
|     | DHA i - 3332DS13 | BB         | GD  | N        | B         | AC cord [HongKong] ACコード  |
|     | QACCR7621QCZZ    | AZ         | FQ  | N        | B         | AC cord [Saudi Arabia] ACコード  |
|     | DHA i - 3332DS14 | BB         | GD  | N        | B         | AC cord [Argentina] ACコード   |
| 11  | MJNTP0004GCZZ    | AH         | DX  |          | C         | Joint ジョイント   |
| 12  | CDSKA0005FC31    | AP         | EQ  | N        | D         | Printer CD [Japan only] プリンタCD J  |
|     | CDSKA0005GH33    | AP         |     | N        | D         | Printer CD [W. Europe,N. Europe area] プリンタCD EX                                       |
|     | CDSKA0005FC32    | AP         | EQ  | N        | D         | Printer CD [Other countries] プリンタCD EX  |
| 13  | PSHEP4926FCZZ    | AL         | EB  | N        | D         | Key sheet [French] キーシート  |
|     | PSHEP4926FCZ1    | AL         | EB  | N        | D         | Key sheet [Germany] キーシート   |
|     | PSHEP4926FCZ2    | AL         | EB  | N        | D         | Key sheet [Spanish] キーシート   |
|     | PSHEP4926FCZ3    | AL         | EB  | N        | D         | Key sheet [Italian] キーシート   |
|     | PSHEP4926FCZ4    | AL         | EB  | N        | D         | Key sheet [Dutch] キーシート   |
|     | PSHEP4926FCZ5    | AL         | EB  | N        | D         | Key sheet [Swedish] キーシート   |
|     | PSHEP4926FCZ6    | AL         | EB  | N        | D         | Key sheet [Norwegian] キーシート   |
|     | PSHEP4926FCZ7    | AL         | EB  | N        | D         | Key sheet [Finnish] キーシート   |

# 17 梱包 & 付属品 (Packing material & Accessories)

| NO. | PARTS CODE                | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION   |
|-----|---------------------------|------------|-----|----------|-----------|---|
|     |                           | Ex.        | Ja. |          |           |   |
| 13  | PSHEP4926FCZ8             | AL         | EB  | N        | D         | Key sheet [Danish] キーシート  |
|     | PSHEP4926FCZ9             | AL         | EB  | N        | D         | Key sheet [Hungarian] キーシート   |
|     | PSHEP4926FC10             | AL         | EB  | N        | D         | Key sheet [Czechoslovakia] キーシート  |
|     | PSHEP4926FC11             | AL         | EB  | N        | D         | Key sheet [Polish] キーシート  |
| 14  | TCADZ1508FCZZ             | AG         | DS  | N        | D         | MSDS card [USA,Canada,U.Kingdom] MSDSカード T  |
| 15  | CCADZ1517FC01             | AB         | DJ  | N        | D         | Maintenance card J [Japan only] マンテナカード J   |
|     | CCADZ1518FC01             | AB         | DJ  | N        | D         | Maintenance card EX [except Japan] マンテナカード EX   |
| 17  | TCADS1510FCZZ             | AA         | DJ  | N        | D         | Inst.card [AR350LP,450LP] 納入設置カード   |
|     | TCADS1511FCZZ             | AC         | DJ  | N        | D         | Inst.card [Europe,Germany] 納入設置カード  |
|     | TCADS1512FCZZ             | AB         | DJ  | N        | D         | Inst.card [Australia,New Zealand] 納入設置カード   |
| 19  | TCADZ1514FCZZ             | AA         | DJ  | N        | D         | Counter contract card [AR350LP,450LP] カンター契約書   |
| 20  | T i N S J 2 0 5 6 F C Z Z | A Y        | Z Z | N        | D         | Operation manual PRT [Japan] 取扱説明書 PRT  |
|     | T i N S E 2 0 5 7 F C Z Z | A X        | F G | N        | D         | Operation manual PRT [USA] 取扱説明書 PRT  |
|     | T i N S E 2 0 5 8 F C Z Z | A X        | F G | N        | D         | Operation manual PRT [English] 取扱説明書 PRT  |
|     | T i N S F 2 0 5 9 F C Z Z | A F        | D S | N        | D         | Operation manual PRT [French] 取扱説明書 PRT   |
|     | T i N S G 2 0 6 0 G H Z Z | A X        |     | N        | D         | Operation manual PRT [German] 取扱説明書 PRT   |
|     | T i N S E 2 0 6 1 G H Z Z | A X        |     | N        | D         | Operation manual PRT [U Kingdom] 取扱説明書 PRT  |
|     | T i N S S 2 0 6 2 F C Z Z | B A        | F Q | N        | D         | Operation manual PRT [Spanish] 取扱説明書 PRT  |
|     | T i N S I 2 0 6 3 G H Z Z | A X        |     | N        | D         | Operation manual PRT [Italian] 取扱説明書 PRT  |
|     | T i N S H 2 0 6 4 G H Z Z | A X        |     | N        | D         | Operation manual PRT [Dutch] 取扱説明書 PRT  |
|     | C i N S R 2 0 6 5 F C 5 1 | B E        | G N | N        | D         | Operation manual PRT [Russian] 取扱説明書 PRT  |
|     | C i N S Z 2 0 6 6 F C 5 1 | B E        | G N | N        | D         | Operation manual PRT [Arabic] 取扱説明書 PRT   |
|     | T i N S E 2 0 6 7 F C Z Z | B A        | F Q | N        | D         | Operation manual PRT [HongKong] 取扱説明書 PRT   |
|     | T i N S W 2 0 6 9 G H Z Z | A X        |     | N        | D         | Operation manual PRT [Swedish] 取扱説明書 PRT  |
|     | T i N S Z 2 0 7 0 G H Z Z | A X        |     | N        | D         | Operation manual PRT [Norwegian] 取扱説明書 PRT  |
|     | T i N S Z 2 0 7 1 G H Z Z | A X        |     | N        | D         | Operation manual PRT [Finnish] 取扱説明書 PRT  |
|     | T i N S D 2 0 7 2 G H Z Z | A X        |     | N        | D         | Operation manual PRT [Danish] 取扱説明書 PRT   |
|     | T i N S Z 2 0 7 3 G H Z Z | A X        |     | N        | D         | Operation manual PRT [Hungarian] 取扱説明書 PRT  |
|     | T i N S Z 2 0 7 4 G H Z Z | A X        |     | N        | D         | Operation manual PRT [Czechoslovakia] 取扱説明書 PRT   |
|     | T i N S Z 2 0 7 5 G H Z Z | A X        |     | N        | D         | Operation manual PRT [Polish] 取扱説明書 PRT   |
|     | T i N S J 2 1 3 8 F C Z Z | A H        | Z Z | N        | D         | Operation manual [Japan] 取扱説明書  |
|     | T i N S E 2 1 3 9 F C Z Z | A H        | D X | N        | D         | Operation manual [USA] 取扱説明書  |
|     | T i N S E 2 1 4 0 F C Z Z | A H        | D X | N        | D         | Operation manual [English] 取扱説明書  |
|     | T i N S F 2 1 4 1 F C Z Z | A H        | D X | N        | D         | Operation manual [French] 取扱説明書   |
|     | T i N S G 2 1 4 2 G H Z Z | A H        |     | N        | D         | Operation manual [German] 取扱説明書   |
|     | T i N S E 2 1 4 3 G H Z Z | A H        |     | N        | D         | Operation manual [U Kingdom] 取扱説明書  |
|     | T i N S S 2 1 4 4 F C Z Z | A L        | D Z | N        | D         | Operation manual [Spanish] 取扱説明書  |
|     | T i N S I 2 1 4 5 G H Z Z | A H        |     | N        | D         | Operation manual [Italian] 取扱説明書  |
|     | T i N S H 2 1 4 6 G H Z Z | A H        |     | N        | D         | Operation manual [Dutch] 取扱説明書  |
|     | C i N S R 2 1 4 7 F C 5 1 | A L        | E B | N        | D         | Operation manual [Russian] 取扱説明書  |
|     | C i N S Z 2 1 4 8 F C 5 1 | A L        | E B | N        | D         | Operation manual [Arabic] 取扱説明書   |
|     | T i N S E 2 1 4 9 F C Z Z | A L        | D X | N        | D         | Operation manual [Hong Kong] 取扱説明書  |
|     | T i N S W 2 1 5 1 G H Z Z | A H        |     | N        | D         | Operation manual [Swedish] 取扱説明書  |
|     | T i N S Z 2 1 5 2 G H Z Z | A H        |     | N        | D         | Operation manual [Norwegian] 取扱説明書  |
|     | T i N S Z 2 1 5 3 G H Z Z | A H        |     | N        | D         | Operation manual [Finnish] 取扱説明書  |
|     | T i N S Z 2 1 5 5 G H Z Z | A H        |     | N        | D         | Operation manual [Hungarian] 取扱説明書  |
|     | T i N S Z 2 1 5 6 G H Z Z | A H        |     | N        | D         | Operation manual [Czechoslovakia] 取扱説明書   |
|     | T i N S Z 2 1 5 7 G H Z Z | A H        |     | N        | D         | Operation manual [Polish] 取扱説明書   |
|     | T i N S D 2 1 5 4 G H Z Z | A H        |     | N        | D         | Operation manual [Danish] 取扱説明書   |
|     | T i N S E 2 1 8 0 F C Z Z | A C        | D J | N        | D         | Operation manual KEY [USA] 取扱説明書  |
| 22  | SSAKA2440QCZZ             | AB         | DD  |          | D         | Vinyl bag (280×410mm) ホリ袋   |
| 23  | SSAKA5003CCZZ             | AA         | DD  |          | D         | Vinyl bag (140×260mm) ホリ袋   |
| 24  | TCAUS0009QSZZ             | AF         | DS  |          | D         | LAG plug caution label [Argentina] LAGプラグ注意ラベル  |
| 25  | UBNDA0001FCZZ             | AA         | DD  |          | D         | Band [Japan,Philippines,U.Kingdom,Singapore,South Africa,Sri Lanka,India,Israel,HongKong,Saudi Arabia,Argentina] ビニール |
| 26  | SPAKA6256FCZZ             | AD         | DJ  | N        | D         | Cabinet protect add キヤビ保護材  |
| 27  | SPAKA6265FCZZ             | AC         | DJ  | N        | D         | Fusing protect add 定着保護材  |
|     |                           |            |     |          |           |   |
|     |                           |            |     |          |           |   |
|     |                           |            |     |          |           |   |

# 18 PCU 基板ユニット (PCU PWB unit)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                                 |
|-----|---------------|------------|-----|----------|-----------|---|
|     |               | Ex.        | Ja. |          |           |   |
| 1   | QCNCM0670FCZZ | AC         | DJ  |          | C         | Connector (5pin)(B5P-VH) [CN17] コネクター       |
| 2   | QCNCM1175FCZZ | AG         | DX  | N        | C         | Connector (30pin) [CN16] コネクター              |
| 3   | QCNCM0878FCZZ | AF         | DS  |          | C         | Connector (30pin) [CN12] コネクター              |
| 4   | QCNCM0923FC24 | AF         | DS  |          | C         | Connector (24pin) [CN13] コネクター              |
| 5   | QCNCM0923FC32 | AG         | DS  |          | C         | Connector (32Pin) [CN4] コネクター               |
| 6   | QCNCM1069ACZZ | AD         | DD  |          | C         | Connector (6pin) [CN18] コネクター               |
| 7   | QCNCM1143FCZZ | AG         | DX  | N        | C         | Connector (22pin) [CN11] コネクター              |
| 8   | QCNCM1144FCZZ | AH         | DX  | N        | C         | Connector (24pin) [CN10] コネクター              |
| 9   | QCNCM5093SC0B | AB         | DD  |          | C         | Connector (2pin) [CN7,22] コネクター             |
| 11  | QCNCM7014SC0H | AB         | DD  |          | C         | Connector (8pin) [CN5] コネクター                |
| 12  | QCNCM7014SC1A | AC         | DJ  |          | C         | Connector (11pin) [CN8] コネクター               |
| 13  | QCNCM7014SC1D | AC         | DJ  |          | C         | Connector (B14B-PH-K-S)(14pin) [CN14] コネクター |
| 14  | QCNCW0002ESZZ | AC         | DJ  | N        | C         | Connector (8pin) [CN9] コネクター                |
| 15  | QCNCW1136FCZZ | AC         | DJ  | N        | C         | Connector [CN6] コネクター                       |
| 16  | QCNCW1139FCZZ | AC         | DJ  | N        | C         | Connector [CN15] コネクター                      |

# 18 PCU 基板ユニット(PCU PWB unit)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION   |
|-----|---------------|------------|-----|----------|-----------|---|
|     |               | Ex.        | Ja. |          |           |   |
| 17  | QCNCW1140FCZZ | AD         | DJ  | N        | C         | Connector [CN1,2] コネクター   |
| 18  | QCNCW1150FCZZ | AE         | DJ  | N        | C         | Connector コネクター   |
| 19  | QSOCZ0002QSZZ | AD         | DJ  |          | C         | IC socket [IC17] ICソケット   |
| 20  | QSOCZ0071FCZZ | AP         | EQ  |          | C         | Socket (MM20-72B1-1) [SOCKET1] ソケット   |
| 21  | QSW-P0005QSZZ | AC         | DJ  |          | B         | Tact switch (B3F-6102) [SW1] タクトスイッチ  |
| 22  | RCRSZ0001QSZZ | AG         | DS  | N        | B         | Crystal (AT-51 19.6608MHz) [AR350LP,ARP350][X2] クリスタル   |
| 23  | RCRUB0002FCZZ | AP         | EQ  | N        | B         | Crystal (31.554MHz) [AR450LP,ARP450][X2] クリスタル  |
| 24  | RFILN0042FCZZ | AC         | DJ  | N        | C         | EMI filter (ZJSR5101-101) [NF1-11] EMIフィルター   |
| 25  | RFILN0047FCZZ | AC         | DJ  | N        | C         | Filter [NF12,13] フィルター  |
| 26  | RMPTR4103ACZZ | AB         | DD  |          | B         | Block resistor (10KΩ×4) [BR1-24] ブロック抵抗   |
| 27  | VCCCCZ1HH100D | AA         | DD  |          | C         | Capacitor (50WV 10pF) [C86] コンデンサー  |
| 28  | VCCCCZ1HH101J | AA         | DD  |          | C         | Capacitor (50WV 100pF) [C12,13] コンデンサー  |
| 29  | VCCCCZ1HH220J | AA         | DD  |          | C         | Capacitor (50WV 22pF) [C39,50] コンデンサー   |
| 30  | VCEAGA0JW107M | AC         | DD  |          | C         | Capacitor (6.3WV 100μF) [C146] コンデンサー   |
| 31  | VCEAGU1AW476M | AA         | DD  |          | C         | Capacitor (10WV 47μF) [C17] コンデンサー  |
| 32  | VCEAGA1AW477M | AB         | DD  |          | C         | Capacitor (10WV 470μF) [C99] コンデンサー   |
| 33  | VCEAGA1CW477M | AB         | DJ  |          | C         | Capacitor (16WV 470μF) [C108,147] コンデンサー  |
| 34  | VCEAGU1HW335M | AA         | DD  |          | C         | Capacitor (50WV 3.3μF) [C63] コンデンサー   |
| 35  | VCEAGA1VW106M | AA         | DD  |          | C         | Capacitor (35WV 10μF) [C2,104] コンデンサー   |
| 36  | VCEAGU1VW107M | AB         | DD  |          | C         | Capacitor (35WV 100μF) コンデンサー   |
| 37  | VCEAGA1VW227M | AB         | DD  |          | C         | Capacitor (35WV 220μF) [C129] コンデンサー  |
| 38  | VCEAGU1VW476M | AB         | DD  |          | C         | Capacitor (35WV 47μF) コンデンサー  |
| 39  | VCKYCZ1CF104Z | AB         | DD  |          | C         | Capacitor (16WV 0.10μF) [C6,19,29,30,32,40,42,47,51,55,58,59,61,75,80,87,88,101,102] コンデンサー   |
|     | VCKYCZ1CF104Z | AB         | DD  |          | C         | Capacitor (16WV 0.10μF) [C106,116,120,121,131,132,138,140,142,143,151,153,189] コンデンサー         |
| 40  | VCKYCZ1EF223Z | AA         | DD  |          | C         | Capacitor (25WV 0.022μF) [C14,62,100,107,123,124,128,130,145] コンデンサー                          |
| 41  | VCKYCZ1HB102K | AA         | DD  |          | C         | Capacitor (50WV 1000pF) [C1,5,15,16,18,31,33,34,36,37,41,44,46,48,49,52,57,60,64-74] コンデンサー   |
|     | VCKYCZ1HB102K | AA         | DD  |          | C         | Capacitor (50WV 1000pF) [C76,77,78,81-85,89,90,91,93,94,96,97,98,103,105] コンデンサー              |
|     | VCKYCZ1HB102K | AA         | DD  |          | C         | Capacitor (50WV 1000pF) [C109-115,119,125,126,127,133,136,137,139,141,149,155,156,160] コンデンサー |
|     | VCKYCZ1HB102K | AA         | DD  |          | C         | Capacitor (50WV 1000pF) [C173-188] コンデンサー   |
| 42  | VCKYCZ1HB222K | AA         | DD  |          | C         | Capacitor (50WV 2200pF) [C3,7,8,11] コンデンサー  |
| 43  | VCQYNU1HM103K | AA         | DD  |          | C         | Capacitor (50WV 0.010μF) [C150] コンデンサー  |
| 44  | VHDDAN202K/-1 | AB         | DD  |          | B         | Diode (DAN202K) [D1,8,9,11,13,16,18,23,29,32] ダイオード   |
| 45  | VHDDAP202K/-1 | AB         | DD  |          | B         | Diode (DAP202K) [D10,14,15,17,30] ダイオード   |
| 46  | VHDDA204K/-1  | AC         | DD  |          | B         | Diode (DA204K) [D2,3,12,19,20,31] ダイオード   |
| 47  | VHDDSS133/-1  | AA         | DD  |          | B         | Diode (DSS133HV) [D25,26,27] ダイオード  |
| 48  | VHDMA704A/-1  | AC         | DJ  |          | B         | Diode (MA704A) [D22,28] ダイオード   |
| 49  | VHDM1FL20U+-1 | AC         | DJ  | N        | B         | Diode (DM1FL20U) [D4-7,33] ダイオード  |
| 50  | VHEHVS3B3/-1  | AB         | DJ  | N        | B         | Zener diode (HZS3B3) [ZD1] ヴェナダー・イート  |
| 51  | VHERD22FB/-1  | AD         | DJ  |          | B         | Zener diode (RD22FB) [ZD2,3] ヴェナダー・イート  |
| 52  | VHID82805GN-1 | BA         | FX  |          | B         | IC (D82805GN) [IC16] IC   |
| 53  | VHIEES04L400P | AG         | DX  |          | B         | IC (EES04L400P) [IC17] IC   |
| 54  | VHIFS781+++-1 | AQ         | EQ  | N        | B         | IC (FS781) [IC13] IC  |
| 55  | VHIH8S2322R-1 | AZ         | FQ  |          | B         | IC (H8S2322R) [IC8] IC  |
| 56  | VHILM324D+-1  | AE         | DJ  | N        | B         | IC (LM324D) [IC21,22] IC  |
| 57  | VHILM339D+-1  | AE         | DJ  | N        | B         | IC (LM339D) [IC18] IC   |
| 58  | VHILVX240SJ-1 | AG         | DS  | N        | B         | IC (LVX240SJ) [IC6] IC  |
| 59  | VHILVX4245M-1 | AL         | EB  |          | B         | IC (74LVX4245MT) [IC11] IC  |
| 60  | VHIMTD13611-1 | AR         | EQ  |          | B         | IC (MTD1361-4101) [IC3] IC  |
| 61  | VHINJM7805A-1 | AH         | DX  |          | B         | IC (NJM7805A) [IC25] IC   |
| 62  | VHITA7291S/-1 | AF         | DS  |          | B         | IC (TA7291S) [IC2,15] IC  |
| 63  | VHITD62003AP1 | AG         | DX  |          | B         | IC (TD62003AP1) [IC1,19,20] IC  |
| 64  | VHITD62503F/- | AG         | DX  |          | B         | IC (TD62503F) [IC7,12,14,23,24,26] IC   |
| 65  | VHI74VHCT240X | AF         | DS  |          | B         | IC (74VHCT240X) [IC9] IC  |
| 66  | VHI74VHCT244X | AF         | DS  |          | B         | IC (74VHCT244X) [IC4,5,10] IC   |
| 67  | VHP1LHEE-002A | AC         | DJ  |          | B         | LED (Red) (1LHEE-002A) [LED1] LED 7カ  |
| 68  | VHVICPS1.2/-1 | AF         | DS  |          | B         | IC protectot (ICPS1.2) [ICP1] IC 7 呼び   |
| 69  | VRD-HT2EY911J | AA         | DD  |          | C         | Resistor (1/4W 910Ω ±5%) [R141] 抵抗  |
| 70  | VRD-HT2HY242J | AA         | DD  |          | C         | Resistor (1/2W 2.4KΩ ±5%) [R5,6] 抵抗   |
| 71  | VRD-HT2HY471J | AA         | DD  |          | C         | Resistor (1/2W 470Ω ±5%) [R172,173] 抵抗  |
| 72  | VRS-CZ1JD000J | AA         | DD  |          | C         | Resistor (1/16W 0Ω ±5%) [R1,170,171,199,200,201,203,204] 抵抗                                   |
| 73  | VRS-CZ1JD101J | AA         | DD  |          | C         | Resistor (1/16W 100Ω ±5%) [R59,125,178,197,198] 抵抗  |
| 74  | VRS-CZ1JD102J | AA         | DD  |          | C         | Resistor (1/16W 1.0KΩ ±5%) [R13,15,36,44,51,140,205,206] 抵抗                                   |
| 75  | VRS-CZ1JD103F | AA         | DD  |          | C         | Resistor (1/16W 10KΩ ±1%) [R2,132,182] 抵抗   |
| 76  | VRS-CZ1JD103J | AA         | DD  |          | C         | Resistor (1/16W 10KΩ ±5%) [R4,12,22,23,27-33,35,38,43,52,53,54,55] 抵抗                         |
|     | VRS-CZ1JD103J | AA         | DD  |          | C         | Resistor (1/16W 10KΩ ±5%) [R72,73,74,77,80,83,84,92,93,94,104,106,108,109] 抵抗                 |
|     | VRS-CZ1JD103J | AA         | DD  |          | C         | Resistor (1/16W 10KΩ ±5%) [R111,112,113,115,117,118,119,120,123,126,127,129,133,135,136] 抵抗   |
|     | VRS-CZ1JD103J | AA         | DD  |          | C         | Resistor (1/16W 10KΩ ±5%) [R144,153,154,157,161,164,165,179,183,188,292,294] 抵抗               |
| 77  | VRS-CZ1JD104J | AA         | DD  |          | C         | Resistor (1/16W 100KΩ ±5%) [R138] 抵抗  |

# 18 PCU 基板ユニット(PCU PWB unit)

| NO.         | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION  |
|-------------|---------------|------------|-----|----------|-----------|--|
|             |               | Ex.        | Ja. |          |           |  |
| 78          | VRS-CZ1JD122J | AA         | DD  |          | C         | Resistor (1/16W 1.2K $\Omega$ $\pm$ 5%) [R151] 抵抗  |
| 79          | VRS-CZ1JD151J | AA         | DD  |          | C         | Resistor (1/16W 150 $\Omega$ $\pm$ 5%) [R17,24] 抵抗   |
| 80          | VRS-CZ1JD152F | AA         | DD  |          | C         | Resistor (1/16W 1.5K $\Omega$ $\pm$ 1%) [R142,150] 抵抗  |
| 81          | VRS-CZ1JD152J | AA         | DD  |          | C         | Resistor (1/16W 1.5K $\Omega$ $\pm$ 5%) [R16] 抵抗   |
| 82          | VRS-CZ1JD153F | AB         | DD  |          | C         | Resistor (1/16W 15K $\Omega$ $\pm$ 1%) [R152,181] 抵抗   |
| 83          | VRS-CZ1JD201J | AA         | DD  |          | C         | Resistor (1/16W 200 $\Omega$ $\pm$ 5%) [R25,26,139] 抵抗   |
| 84          | VRS-CZ1JD203J | AA         | DD  |          | C         | Resistor (1/16W 20K $\Omega$ $\pm$ 5%) [R11,114,145,166,174~177,191~196] 抵抗                                |
| 85          | VRS-CZ1JD304J | AA         | DD  |          | C         | Resistor (1/16W 300K $\Omega$ $\pm$ 5%) [R146,159] 抵抗  |
| 86          | VRS-CZ1JD330J | AA         | DD  |          | C         | Resistor (1/16W 33 $\Omega$ $\pm$ 5%) [R40,41,45~50,56,57,58,60,61,62,63,65,66,68,69,70,71,75,76,78,79] 抵抗 |
|             | VRS-CZ1JD330J | AA         | DD  |          | C         | Resistor (1/16W 33 $\Omega$ $\pm$ 5%) [R85~91,95~103] 抵抗   |
| 87          | VRS-CZ1JD332J | AA         | DD  |          | C         | Resistor (1/16W 3.3K $\Omega$ $\pm$ 5%) [R81] 抵抗   |
| 88          | VRS-CZ1JD471J | AA         | DD  |          | C         | Resistor (1/16W 470 $\Omega$ $\pm$ 5%) [R18,19] 抵抗   |
| 89          | VRS-CZ1JD472F | AA         | DD  | N        | C         | Resistor (1/16W 4.7K $\Omega$ $\pm$ 1%) [R131,143,149,163] 抵抗  |
| 90          | VRS-CZ1JD473F | AA         | DD  | N        | C         | Resistor (1/16W 47K $\Omega$ $\pm$ 1%) [R148,162] 抵抗   |
| 91          | VRS-CZ1JD473J | AA         | DD  |          | C         | Resistor (1/16W 47K $\Omega$ $\pm$ 5%) [R186,187,189,190] 抵抗   |
| 92          | VRS-CZ1JD562J | AA         | DD  |          | C         | Resistor (1/16W 5.6K $\Omega$ $\pm$ 5%) [R137,169] 抵抗  |
| 93          | VRS-CZ1JD621J | AA         | DD  | N        | C         | Resistor (1/16W 620 $\Omega$ $\pm$ 5%) [R147,158] 抵抗   |
| 94          | VRS-CZ1JD680J | AA         | DD  | N        | C         | Resistor (1/16W 68 $\Omega$ $\pm$ 5%) [R105] 抵抗  |
| 95          | VRS-CZ1JD681J | AA         | DD  |          | C         | Resistor (1/16W 680 $\Omega$ $\pm$ 5%) [R42,156,185] 抵抗  |
| 96          | VRS-CZ1JD752J | AA         | DD  |          | C         | Resistor (1/16W 7.5K $\Omega$ $\pm$ 5%) [R3,21] 抵抗   |
| 97          | VRS-CZ1JD822J | AA         | DD  | N        | C         | Resistor (1/16W 8.2K $\Omega$ $\pm$ 5%) [R155,184] 抵抗  |
| 98          | VRS-RE3AA241J | AC         | DD  | N        | C         | Resistor (1W 240 $\Omega$ $\pm$ 5%) [R160] 抵抗  |
| 99          | VRS-RE3DA1R0J | AB         | DD  |          | C         | Resistor (2W 1.0 $\Omega$ $\pm$ 5%) [R14,20] 抵抗  |
| 100         | VRS-RE3DA8R2J | AC         | DD  | N        | C         | Resistor (2W 8.2 $\Omega$ $\pm$ 5%) [R167] 抵抗  |
| 101         | VSDTA123YK/-1 | AB         | DJ  |          | B         | Transistor (DTA123YK) [Q8,9] トランジスタ  |
| 102         | VSDTC114EK/-1 | AB         | DD  |          | B         | Transistor (DTC114EK) [Q10,11] トランジスタ  |
| 103         | VSDTC114YK/-1 | AC         | DD  |          | B         | Transistor (DTC114YK) [Q2,4,5,6,7] トランジスタ  |
| 104         | VSDTD114EK/-1 | AC         | DJ  |          | B         | Transistor (DTD114EK) [Q1] トランジスタ  |
| ユニット (Unit) |               |            |     |          |           |  |
| 901         | CPWBN1461FCE1 | BW         | RR  | N        | E         | PCU PWB unit [AR350LP,ARP350] PCU 基板   |
|             | CPWBN1461FCE2 | BW         | RR  | N        | E         | PCU PWB unit [AR450LP,ARP450] PCU 基板   |
|             |               |            |     |          |           |  |
|             |               |            |     |          |           |  |
|             |               |            |     |          |           |  |

# 19 プリントコントロール基板ユニット(Print control PWB unit)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION  |
|-----|---------------|------------|-----|----------|-----------|--|
|     |               | Ex.        | Ja. |          |           |  |
| 1   | PCAPH0010GCZZ | AD         | DJ  |          | D         | Cap (JM-2W-96) [JP2-6] キャップ  |
| 2   | PCOVP1468FCZZ | AD         | DJ  |          | C         | FAX battery cover FAXデタッチカバー   |
| 3   | QCNCM0041QSZZ | AP         | EQ  |          | C         | Connector [CN7,9] コネクター  |
| 4   | QCNCM1146FCZZ | AE         | DJ  | N        | C         | Connector (9pin) [CN11] コネクター  |
| 5   | QCNCW0946FCZZ | AH         | DX  |          | C         | Connector (36pin) [CN2] コネクター  |
| 6   | QCNCW1147FCZZ | AL         | EB  | N        | C         | Connector [CN10] コネクター   |
| 7   | QPIN-0003GCZZ | AC         | DJ  |          | C         | Pin (T3B-SQ) [JP2-6] ピン  |
| 8   | QSOCZ0001QSZZ | AL         | EB  |          | C         | Socket (DMM168-FLAA2-3A133) [CN1] ICソケット   |
| 9   | QSOCZ0073FCZZ | AL         | EB  |          | C         | Connector (72pin) [CN3,4] コネクター  |
|     | QSOCZ0073FCZZ | AL         | EB  |          | C         | Connector (72pin) [Japan only][CN5] コネクター  |
| 10  | QSOCZ6428ACZZ | AE         | DS  |          | C         | IC socket (28pin) [IC34] ソケット  |
| 11  | RCRSP6676RCZZ | AG         | DX  | N        | B         | Crystal (32.768KHz) [X6] クリスタル   |
| 12  | UBATL2033SCZZ | AK         | EB  |          | B         | Battery (CR2032-H03) [BT1] バッテリー   |
| 13  | VHIEEP64-120P | AW         | FG  |          | B         | IC (EEP64) [IC34] IC   |
| 14  | VHP1LHEE-002A | AC         | DJ  |          | B         | LED (Red) (1LHEE-002A) [D14] LED 7カ  |
| 15  | RCRUA0005FCZZ | AP         | EQ  | N        | B         | Crystal [X7] クリスタル   |
| 16  | RCRUA0007FCZZ | AP         | EQ  | N        | B         | Crystal [X4] クリスタル   |
| 17  | RCRUA0008FCZZ | AP         | EQ  | N        | B         | Crystal [X2] クリスタル   |
| 18  | RCRUA0009FCZZ | AP         | EQ  | N        | B         | Crystal [X3,5] クリスタル   |
| 19  | RCRUA0012FCZZ | AP         | EQ  | N        | B         | Crystal [X1] クリスタル   |
| 20  | RMPTR4100ACZZ | AB         | DD  |          | B         | Block resistor (10 $\Omega$ ×4) [BR6~13,15~23,25,27,32,33] ブロック抵抗                  |
| 21  | RMPTR4100ACZZ | AB         | DD  |          | B         | Block resistor (10 $\Omega$ ×4) [BR39~44,47~51,53,55,60~79] ブロック抵抗                 |
| 22  | RMPTR4103ACZZ | AB         | DD  |          | B         | Block resistor (10K $\Omega$ ×4) [BR1~5,14,24,26,28~31,34~38] ブロック抵抗               |
| 23  | RMPTR4103ACZZ | AB         | DD  |          | B         | Block resistor (10K $\Omega$ ×4) [BR45,46,81,83,85,87~89] ブロック抵抗                   |
| 24  | RMPTR4330ACZZ | AB         | DD  |          | B         | Block resistor (33 $\Omega$ ×4) [BR54,56~58,80,82,84,86] ブロック抵抗                    |
| 25  | RMPTR4472ACZZ | AB         | DD  |          | B         | Block resistor (4.7K $\Omega$ ×4) [BR52,59] ブロック抵抗                                 |
| 27  | VCCCCZ1HH101J | AA         | DD  |          | C         | Capacitor (50WV 100pF) [C24,27,32,34,35,40,49,53,60,68,69] コンデンサー                  |
| 28  | VCCCCZ1HH101J | AA         | DD  |          | C         | Capacitor (50WV 100pF) [C73,80,82,86,91,96,240~250] コンデンサー                         |
| 29  | VCCCCZ1HH220J | AA         | DD  |          | C         | Capacitor (50WV 22pF) [C50] コンデンサー   |
| 30  | VCEAPS1CC106M | AC         | DD  |          | C         | Capacitor (16WV 10 $\mu$ F) [C9,13,28,66,90,110,123,161,163,174,175,197] コンデンサー    |
| 31  | VCEAPS1CC226M | AC         | DJ  |          | C         | Capacitor (16WV 22 $\mu$ F) [C45,54,99,113,124,133,162,167] コンデンサー                 |
| 32  | VCEAPS1CC476M | AC         | DJ  |          | C         | Capacitor (16WV 47 $\mu$ F) [C92,144,160,172] コンデンサー                               |
| 33  | VCEAPH1HC105M | AC         | DD  |          | C         | Capacitor (50WV 1.0 $\mu$ F) [C176,185,194,195] コンデンサー                             |
| 34  | VCKYCZ1CF104Z | AB         | DD  |          | C         | Capacitor (16WV 0.10 $\mu$ F) [C1~5,10,14~21,23,25,26,29~31,33,36~39,41~44] コンデンサー |
| 35  | VCKYCZ1CF104Z | AB         | DD  |          | C         | Capacitor (16WV 0.10 $\mu$ F) [C46~48,51,52,55~58,61~65,67,70~72,74~77] コンデンサー     |

19 プリントコントロール基板ユニット(Print control PWB unit)

| NO. | PARTS CODE     | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION  |
|-----|----------------|------------|-----|----------|-----------|--|
|     |                | Ex.        | Ja. |          |           |  |
| 36  | VCKYCZ1CF104Z  | AB         | DD  |          | C         | Capacitor (16WV 0.10μF)<br>[C81,83-85,87-89,93-95,97,100-107,109,111,112] コンデンサ      |
| 37  | VCKYCZ1CF104Z  | AB         | DD  |          | C         | Capacitor (16WV 0.10μF)<br>[C114-122,125-128,130-132,134-141,145,147-156] コンデンサ      |
| 38  | VCKYCZ1CF104Z  | AB         | DD  |          | C         | Capacitor (16WV 0.10μF)<br>[C158,159,164,165,168,171,173,177-179,181-184] コンデンサ      |
| 39  | VCKYCZ1CF104Z  | AB         | DD  |          | C         | Capacitor (16WV 0.10μF)<br>[C186,187,189-193,196,198-239,252,253] コンデンサ              |
| 40  | VCKYCZ1HB102K  | AA         | DD  |          | C         | Capacitor (50WV 1000pF)<br>[C129] コンデンサ  |
| 41  | VCKYCZ1HF103Z  | AA         | DD  |          | C         | Capacitor (50WV 0.01μF)<br>[C59,108] コンデンサ   |
| 42  | VHDDAP202U/-1  | AB         | DD  |          | B         | Diode (DAP202U)<br>[D7] ダイオード  |
| 43  | VHDBR451F/-1   | AD         | DS  |          | B         | Diode (RB451F)<br>[D9] ダイオード   |
| 44  | VHDBR451F/-1   | AA         | DD  |          | B         | Diode (RLS73)<br>[D8] ダイオード  |
| 45  | VHIDS14C238/-1 | AT         | EZ  |          | B         | IC (DS14C238)<br>[IC39] IC   |
| 46  | VHKSOU1347-1   | BN         | HV  |          | B         | IC (KSOU1347)<br>[IC18] IC   |
| 47  | VHILCX157MT-1  | AG         | DS  | N        | B         | IC (LCX157MT)<br>[IC14] IC   |
| 48  | VHILCX16244-1  | AM         | EG  | N        | B         | IC (LCX16244)<br>[IC20] IC   |
| 49  | VHILCX16245-1  | AM         | EG  | N        | B         | IC (LCX16245)<br>[IC15,23] IC  |
| 50  | VHILCX16373-1  | AM         | EG  | N        | B         | IC (LCX16373)<br>[IC32] IC   |
| 51  | VHILCX74MTC-1  | AE         | DJ  | N        | B         | IC (LCX74MTC)<br>[IC10] IC   |
| 52  | VHILM393D+-1   | AE         | DJ  | N        | B         | IC (LM393D)<br>[IC36] IC   |
| 53  | VHILVT240MT-1  | AL         | EB  | N        | B         | IC (LVT240MT)<br>[IC7] IC  |
| 54  | VHIM87J4810-1  | BK         | HC  |          | B         | IC (MTD13611)<br>[IC24] IC   |
| 55  | VHINJM317DL-1  | AK         | DX  | N        | B         | IC (NJM317DL)<br>[IC8] IC  |
| 56  | VHINU6356E-1   | AK         | DX  |          | B         | IC (NJU6356E)<br>[IC37] IC   |
| 57  | VHIN2370R33-1  | AF         | DS  | N        | B         | IC (N2370R33)<br>[IC22] IC   |
| 58  | VHIN2391D25-1  | AG         | DX  | N        | B         | IC (N2391D25)<br>[IC31,33] IC  |
| 59  | VHIP16C2309-1  | AR         | EQ  | N        | B         | IC (Pi6C2309)<br>[IC9,27] IC   |
| 60  | VHIPM2500+-1   | BP         | LP  |          | B         | IC (PM2500)<br>[IC13] IC   |
| 61  | VHIPST598CN-1  | AF         | DS  | N        | B         | IC (PST598CN)<br>[IC43] IC   |
| 62  | VHIPST598IN-1  | AF         | DS  |          | B         | IC (PST598IN)<br>[IC44] IC   |
| 63  | VHISD4M16L1-1  | AZ         | FX  |          | B         | IC (SD4M16L1)<br>[IC1-4,25] IC   |
| 64  | VHITD62503F-1  | AF         | DS  |          | B         | IC (TD62503F)<br>[IC38,41] IC  |
| 65  | VHITA955A20-1  | BF         | GN  |          | B         | IC (TA955A20)<br>[IC19] IC   |
| 66  | VHI65946P07-1  | BA         | FX  |          | B         | IC (65946P07)<br>[IC30] IC   |
| 67  | VHI74LCX08MTC  | AE         | DJ  |          | B         | IC (74LCX08MTC)<br>[IC42] IC   |
| 68  | VHI74LCX14MTC  | AE         | DJ  |          | B         | IC (74LCX14MTC)<br>[IC40] IC   |
| 69  | VHI74LCX244MT  | AG         | DX  |          | B         | IC (74LCX244MT)<br>[IC12] IC   |
| 70  | VHI74LCX245MT  | AG         | DX  |          | B         | IC (74LCX245MT)<br>[IC29] IC   |
| 71  | VHI74LCX32MTC  | AE         | DJ  |          | B         | IC (74LCX32MTC)<br>[IC11] IC   |
| 72  | VHI74LVX16128  | AP         | EQ  |          | B         | IC (74LVX16128)<br>[IC21] IC   |
| 73  | VHI90LV17AW-1  | AP         | EQ  | N        | B         | IC (90LV17AW)<br>[IC17] IC   |
| 74  | VRS-CZ1JD000J  | AA         | DD  |          | C         | Resistor (1/16W 0Ω ±5%)<br>[R9,10,18,19,32,60,81,86,95,98,157] 抵抗                    |
| 75  | VRS-CZ1JD000J  | AA         | DD  |          | C         | Resistor (1/16W 0Ω ±5%)<br>[R185,202,203,214,216,217] 抵抗                             |
| 76  | VRS-CZ1JD100J  | AA         | DD  |          | C         | Resistor (1/16W 10Ω ±5%)<br>[R45,46,84,105,107,127-130,141,150,158,162,174] 抵抗       |
| 77  | VRS-CZ1JD101J  | AA         | DD  |          | C         | Resistor (1/16W 100Ω ±5%)<br>[R20,22,219,220,L7] 抵抗                                  |
| 78  | VRS-CZ1JD102J  | AA         | DD  |          | C         | Resistor (1/16W 1.0KΩ ±5%)<br>[R23,120,121,125,143,188,189,226-228,206] 抵抗           |
| 79  | VRS-CZ1JD103J  | AA         | DD  |          | C         | Resistor (1/16W 10KΩ ±5%)<br>[R5,21,27,28,42,43,52,56,72,85,94,99] 抵抗                |
| 80  | VRS-CZ1JD103J  | AA         | DD  |          | C         | Resistor (1/16W 10KΩ ±5%)<br>[R102,104,108,109,113,116-118] 抵抗                       |
| 81  | VRS-CZ1JD103J  | AA         | DD  |          | C         | Resistor (1/16W 10KΩ ±5%)<br>[R122,131,133,136,146,151-153] 抵抗                       |
| 82  | VRS-CZ1JD103J  | AA         | DD  |          | C         | Resistor (1/16W 10KΩ ±5%)<br>[R155,156,159-161,183,187,191] 抵抗                       |
| 83  | VRS-CZ1JD103J  | AA         | DD  |          | C         | Resistor (1/16W 10KΩ ±5%)<br>[R197,207,208,221-225] 抵抗                               |
| 84  | VRS-CZ1JD220J  | AA         | DD  |          | C         | Resistor (1/16W 22Ω ±5%)<br>[R15,26,29,34,38,41,47,54,55,63] 抵抗                      |
| 85  | VRS-CZ1JD220J  | AA         | DD  |          | C         | Resistor (1/16W 22Ω ±5%)<br>[R66,69,77,78,83,90,91] 抵抗                               |
| 86  | VRS-CZ1JD330J  | AA         | DD  |          | C         | Resistor (1/16W 33Ω ±5%)<br>[R4,24,30,31,35,39,40,48-51,80,106] 抵抗                   |
| 87  | VRS-CZ1JD330J  | AA         | DD  |          | C         | Resistor (1/16W 33Ω ±5%)<br>[R132,134,135,139,140,144,145,166-168,175,176] 抵抗        |
| 88  | VRS-CZ1JD330J  | AA         | DD  |          | C         | Resistor (1/16W 33Ω ±5%)<br>[R199,229-285,290-292] 抵抗                                |
| 89  | VRS-CZ1JD332J  | AA         | DD  |          | C         | Resistor (1/16W 3.3KΩ ±5%)<br>[R110,200] 抵抗  |
| 90  | VRS-CZ1JD333J  | AA         | DD  |          | C         | Resistor (1/16W 33KΩ ±5%)<br>[R96,171] 抵抗  |
| 91  | VRS-CZ1JD470J  | AA         | DD  |          | C         | Resistor (1/16W 47Ω ±5%)<br>[R36,37,286,287] 抵抗                                      |
| 92  | VRS-CZ1JD472J  | AA         | DD  |          | C         | Resistor (1/16W 4.7KΩ ±5%)<br>[R44,53,57,59,73,89,97,101,111,112,114,119,124,126] 抵抗 |
| 93  | VRS-CZ1JD472J  | AA         | DD  |          | C         | Resistor (1/16W 4.7KΩ ±5%)<br>[R138,154,164,172,173,190,198,204,215] 抵抗              |
| 94  | VRS-CZ1JD750J  | AA         | DD  |          | C         | Resistor (1/16W 75Ω ±5%)<br>[R103,137] 抵抗  |
| 95  | VRS-CZ1JD823J  | AA         | DD  | N        | C         | Resistor (1/16W 82KΩ ±5%)<br>[R192] 抵抗   |
| 96  | VSDTC114EK/-1  | AB         | DD  |          | B         | Transistor (DTC114EK)<br>[Q2] トランジスタ   |
| 97  | VSDTC114YK/-1  | AC         | DD  |          | B         | Transistor (DTC114YK)<br>[Q1] トランジスタ   |
| 98  | QSOCZ0079FCZZ  | AN         | EQ  |          | C         | Connector (100pin)<br>[Japan only][CN6] コネクター  |
| 99  | VRS-CZ1JD222J  | AA         | DD  |          | C         | Resistor (1/16W 2.2KΩ ±5%)<br>[R193-196,201,205] 抵抗                                  |

## 19 プリントコントロール基板ユニット(Print control PWB unit)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION  |
|-----|---------------|------------|-----|----------|-----------|--|
|     |               | Ex.        | Ja. |          |           |  |
| 100 | RFILN0048FCZZ | AC         | DJ  | N        | C         | Chip ferrite bead (BLM10B121SBPT) [L2,3] チップフェライトビーズ   |
|     | RFILN0007GCZZ | AC         | DJ  |          | C         | Chip ferrite bead (RL02RN2-R62) [L4] チップフェライトビーズ       |
|     | ユニット (Unit)   |            |     |          |           |  |
| 901 | CPWBN1495FC51 | CP         | VC  | N        | E         | Print control PWB unit [Japan only] プリントコントロール基板ユニット   |
|     | CPWBN1495FC52 | CP         | VC  | N        | E         | Print control PWB unit [except Japan] プリントコントロール基板ユニット |
|     |               |            |     |          |           |  |
|     |               |            |     |          |           |  |
|     |               |            |     |          |           |  |

## 20 マザーボード (Mother board)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                   |
|-----|---------------|------------|-----|----------|-----------|-------------------------------|
|     |               | Ex.        | Ja. |          |           |                               |
| 1   | PRDAR0057FCZZ | AE         | DS  |          | C         | Heat sink (PUG16-30) ヒートシンク   |
| 2   | QCNCM1132FCZZ | AL         | EB  | N        | C         | Connector (50pin) コネクター       |
| 3   | QCNCM7014SC0C | AA         | DD  |          | C         | Connector (3pin) コネクター        |
| 4   | QCNCW1131FCZZ | AD         | DJ  | N        | C         | Connector (28pin) コネクター       |
| 5   | VCEAZU1VW107M | AC         | DD  |          | C         | Capacitor (35WV 100uF) コンデンサー |
| 6   | VCEAZU1VW477M | AD         | DJ  |          | C         | Capacitor (35WV 470uF) コンデンサー |
| 7   | VHDDSM1D1//1  | AB         | DJ  |          | B         | Diode (DSM1D1) ダイオード          |
| 8   | VHINJM78M121  | AG         | DX  |          | B         | IC (NJM78M12) IC              |
| 9   | VRS-RE3LA8R2J | AD         | DJ  |          | C         | Resistor (3W 8.2Ω ±5%) 抵抗     |
| 10  | XBPSD30P08K00 | AA         | DD  |          | C         | Screw (3×8K) ビス               |
|     | ユニット (Unit)   |            |     |          |           |                               |
| 901 | CPWBN1460DS51 | AS         | EQ  | N        | E         | Mother board unit マザーボード MFP  |
|     |               |            |     |          |           |                               |
|     |               |            |     |          |           |                               |
|     |               |            |     |          |           |                               |

## 21 ヒューズ基板ユニット(Fuse PWB unit)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                                      |
|-----|---------------|------------|-----|----------|-----------|--|
|     |               | Ex.        | Ja. |          |           |  |
| 1   | DHAi-3252FCZZ | AE         | DJ  | N        | C         | Heater harness [DH-L,DH-N] ヒーターハーネス              |
| 2   | DHAi-3302FCZZ | AL         | EB  | N        | C         | Inlet harness [Lin,Nin] インレットハーネス                |
| 3   | QFS-A2700QCZZ | AD         | DJ  |          | A         | Fuse (J20/125NR) [Japan only][F1,2] フューズ         |
|     | QFS-B0030FCZZ | AH         | DS  |          | A         | Fuse (15A 250V) [100V series][F1] フューズ           |
|     | QFS-C1500QCZZ | AF         | DS  |          | A         | Fuse (10A 240V) [200V series][F1,2] フューズ         |
| 4   | QFSDH0026FCZZ | AC         | DJ  |          | C         | Fuse holder フューズホルダー                             |
| 5   | QPIN-0009FCZZ | AC         | DJ  |          | C         | Earth pin (TP003) [FG] アースピン                     |
| 6   | QTANP0215FCZZ | AC         | DJ  | N        | C         | Terminal [Lout,L1,Nout,N1] ターミナル                 |
| 7   | RH-DZ0019FCZZ | AG         | DX  |          | B         | Diode (DSA-242MA) [Japan/100V series][A1] ダイオード  |
| 8   | VHV10V471K+-1 | AD         | DJ  |          | B         | Varistor (10V471K) [Japan/100V series][VR1]バリスター |
|     | ユニット (Unit)   |            |     |          |           |  |
| 901 | CPWBF1464DS51 | BN         | LE  | N        | E         | Fuse PWB JM [Japan only] ヒューズ基板 JM               |
|     | CPWBF1464DS52 | BN         | LE  | N        | E         | Fuse PWB 100M [100V series] ヒューズ基板 100M          |
|     | CPWBF1464DS53 | BN         | LE  | N        | E         | Fuse PWB 200M [200V series] ヒューズ基板 200M          |
|     |               |            |     |          |           |  |
|     |               |            |     |          |           |  |
|     |               |            |     |          |           |  |

## 22 カセット検知基板ユニット(Cassette detect PWB unit)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                  |
|-----|---------------|------------|-----|----------|-----------|------------------------------|
|     |               | Ex.        | Ja. |          |           |                              |
| 1   | QCNCM0575FCZZ | AC         | DJ  | N        | C         | Connector (2pin) コネクター       |
| 2   | QCNCM0876FCZZ | AB         | DJ  |          | C         | Connector (4pin) コネクター       |
| 3   | QSW-P0532FCZZ | AD         | DJ  | N        | B         | Tact switch タクトスイッチ          |
|     | ユニット (Unit)   |            |     |          |           |                              |
| 901 | CPWBF1457DS51 | AG         | DS  | N        | E         | Cassette detect PWB カセット検知基板 |
|     |               |            |     |          |           |                              |
|     |               |            |     |          |           |                              |
|     |               |            |     |          |           |                              |

## 23 プリンタ操作基板ユニット(Printer operation PWB unit)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION   |
|-----|---------------|------------|-----|----------|-----------|---|
|     |               | Ex.        | Ja. |          |           |   |
| 1   | LPLTM5706FCZZ | AC         | DJ  | N        | C         | LCD fixing plate [LCD] LCD 取付板                                  |
| 2   | QCNCW1134FCZZ | AH         | DX  | N        | C         | Connector [CN1] コネクター   |
| 3   | QSW-P0005QSZZ | AC         | DJ  |          | B         | Tact switch (B3F-6102) [MENU,UP,DOWN,ENTER,STOP,ONLINE] タクトスイッチ |
| 4   | VCKYPU1EB223Z | AB         | DD  |          | C         | Capacitor (25WV 0.022μF) [C1] コンデンサー                            |
| 5   | VHP1LHEE-002A | AC         | DJ  |          | B         | LED (Red) (1LHEE-002A) [ERROR] LED 7カ                           |
| 6   | VHP1LHLE-002A | AC         | DJ  |          | B         | LED(Green) (LTL-1LHLE-002A) [DATA,READY] LEDミドリ                 |
| 7   | VRD-HT2EY472J | AA         | DD  |          | C         | Resistor (1/4W 4.7KΩ ±5%) [R1-11] 抵抗                            |
| 8   | VVLNCOG003A07 | AZ         | ZZ  |          | B         | LCD (NCOG003A07) [LCD] LCD                                      |
|     | ユニット (Unit)   |            |     |          |           |   |
| 901 | CPWBF1447FCE1 | BC         | GJ  | N        | E         | Printer operation PWB unit プリンタ操作基板ユニット                         |

# 24 電源基板 100V 系 (Power supply PWB 100Vseries)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION   |
|-----|---------------|------------|-----|----------|-----------|---|
|     |               | Ex.        | Ja. |          |           |   |
| 1   | 0FT13519279// | AF         | DS  | N        | C         | Resistor (SPR1/2 120ΩJ) [R3] 電力形被膜抵抗器                   |
| 2   | 0FT13519279// | AF         | DS  | N        | C         | Resistor (SPR1/2 120ΩJ) [R7] 電力形被膜抵抗器                   |
| 3   | 0FT14356888// | AZ         | FQ  | N        | B         | Relay (OMIH-SS-124LM DC24V) [RL1] 補助継電器                 |
| 4   | 0FT23006212// | AP         | EQ  |          | B         | IC (MB3759M) [Z5] IC                                    |
| 5   | 0FT23006212// | AP         | EQ  |          | B         | IC (MB3759M) [Z6] IC                                    |
| 6   | 0FT23034135// | AC         | DJ  |          | C         | Screw (M3X8 BS SNP) [10] ナット                            |
| 7   | 0FT23034348// | AR         | EQ  | N        | B         | Spark killer (AU-1201) [SQ1] スパークキラー                    |
| 8   | 0FT23034348// | AR         | EQ  | N        | B         | Spark killer (AU-1201) [SQ2] スパークキラー                    |
| 10  | 0FT23105423// | AE         | DS  |          | C         | Connector (RT-01N-2.3A) [TB1] コネクタ                      |
| 11  | 0FT23188728// | AP         | EQ  |          | C         | Capacitor (KME35VB-2200) [C43] 電解コンデンサ                  |
| 12  | 0FT23194256// | AR         | EQ  | N        | B         | Diode (S1WB A 60) [RC2] 整流器                             |
| 13  | 0FT23285758// | AK         | DX  |          | B         | Diode (RG2A) [D8] ダイオード                                 |
| 14  | 0FT23339688// | AK         | DX  | N        | C         | Angle (EGC-20E 12X50X10.8 M3) [5] 金具                    |
| 15  | 0FT23375323// | AR         | EQ  |          | C         | Reactor (HK-10S100-4500) [L9] リアクトル                     |
| 16  | 0FT23397858// | AK         | DX  |          | C         | Connector (B2P3-VH) [CN3] コネクタ                          |
| 17  | 0FT23405087// | AN         | EG  |          | B         | Transistor (2SC3852A) [Q6] トランジスタ                       |
| 18  | 0FT23413403// | AU         | EZ  |          | B         | Diode (ESAD92M-03) [RC4] 整流器                            |
| 19  | 0FT23413454// | BC         | GJ  |          | C         | Reactor (HK-20D160-1810) [L5] リアクトル                     |
| 20  | 0FT23432963// | AC         | DJ  |          | C         | Screw (M3X10 S NP3 W.SW) [8] 小ワッシャー                     |
| 21  | 0FT23437531// | AG         | DX  |          | C         | Ferrite bead (B-20L-48B) [FB3] フェライトビーズ                 |
| 22  | 0FT23437531// | AG         | DX  |          | C         | Ferrite bead (B-20L-48B) [FB4] フェライトビーズ                 |
| 23  | 0FT23453847// | AC         | DJ  |          | C         | Screw (M3X12 S NP3 W.SW) [9] 小ワッシャー                     |
| 24  | 0FT23479358// | AP         | EQ  | N        | C         | Connector (B6B-PH-K-S) [CN2] コネクタ                       |
| 25  | 0FT23537900// | AD         | DJ  | N        | C         | Resistor (RSMF2B 22ΩJ) [R53] 酸化金属被膜抵抗器                  |
| 26  | 0FT23538524// | AG         | DX  | N        | C         | Resistor (RSMF3B 33KΩJ) [R33] 酸化金属被膜抵抗器                 |
| 27  | 0FT23562794// | AD         | DJ  |          | C         | Resistor (RSMF1SL 1ΩJ) [R49] 酸化金属被膜抵抗器                  |
| 28  | 0FT23562816// | AC         | DJ  |          | C         | Resistor (RSMF1SL 2.2ΩJ) [R19] 酸化金属被膜抵抗器                |
| 29  | 0FT23562859// | AD         | DJ  |          | C         | Resistor (RSMF1SL 10ΩJ) [R127] 酸化金属被膜抵抗器                |
| 30  | 0FT23562859// | AD         | DJ  |          | C         | Resistor (RSMF1SL 10ΩJ) [R128] 酸化金属被膜抵抗器                |
| 31  | 0FT23562859// | AD         | DJ  |          | C         | Resistor (RSMF1SL 10ΩJ) [R157] 酸化金属被膜抵抗器                |
| 32  | 0FT23562859// | AD         | DJ  |          | C         | Resistor (RSMF1SL 10ΩJ) [R158] 酸化金属被膜抵抗器                |
| 33  | 0FT23562956// | AD         | DJ  | N        | C         | Resistor (RSMF1SL 220ΩJ) [R8] 酸化金属被膜抵抗器                 |
| 34  | 0FT23563103// | AD         | DJ  | N        | C         | Resistor (RSMF1SL 47KΩJ) [R10] 酸化金属被膜抵抗器                |
| 35  | 0FT23563103// | AD         | DJ  | N        | C         | Resistor (RSMF1SL 47KΩJ) [R11] 酸化金属被膜抵抗器                |
| 36  | 0FT23563286// | AC         | DJ  |          | C         | Resistor (RSMF2SL 22ΩJ) [R52] 酸化金属被膜抵抗器                 |
| 37  | 0FT23563316// | AC         | DJ  |          | C         | Resistor (RSMF2SL 68ΩJ) [R35] 酸化金属被膜抵抗器                 |
| 38  | 0FT23563421// | AD         | DJ  | N        | C         | Resistor (RSMF2SL 4.7KΩJ) [R13] 酸化金属被膜抵抗器               |
| 39  | 0FT23563421// | AD         | DJ  | N        | C         | Resistor (RSMF2SL 4.7KΩJ) [R14] 酸化金属被膜抵抗器               |
| 40  | 0FT23563421// | AD         | DJ  | N        | C         | Resistor (RSMF2SL 4.7KΩJ) [R15] 酸化金属被膜抵抗器               |
| 41  | 0FT23563456// | AC         | DJ  |          | C         | Resistor (RSMF2SL 10KΩJ) [R26] 酸化金属被膜抵抗器                |
| 42  | 0FT23563456// | AC         | DJ  |          | C         | Resistor (RSMF2SL 10KΩJ) [R32] 酸化金属被膜抵抗器                |
| 43  | 0FT23563626// | AG         | DX  | N        | C         | Resistor (RSMF3SL 10ΩJ) [R30] 酸化金属被膜抵抗器                 |
| 44  | 0FT23563863// | AG         | DX  | N        | C         | Resistor (RSMF3SL 33KΩJ) [R34] 酸化金属被膜抵抗器                |
| 45  | 0FT23611329// | AK         | DX  |          | C         | Capacitor (MMC-104K400) [C26] フィルムコンデンサ                 |
| 46  | 0FT23611329// | AK         | DX  |          | C         | Capacitor (MMC-104K400) [C58] フィルムコンデンサ                 |
| 47  | 0FT23611329// | AK         | DX  |          | C         | Capacitor (MMC-104K400) [C67] フィルムコンデンサ                 |
| 48  | 0FT23611329// | AK         | DX  |          | C         | Capacitor (MMC-104K400) [C81] フィルムコンデンサ                 |
| 49  | 0FT23637387// | AK         | DX  |          | C         | Screw (S SNP1 M3X8) [11] 特殊ナット                          |
| 50  | 0FT23642909// | AK         | DX  |          | C         | Reactor (TG01020413MADS SK) [L10] リアクトル                 |
| 51  | 0FT23642909// | AK         | DX  |          | C         | Reactor (TG01020413MADS SK) [L11] リアクトル                 |
| 52  | 0FT23642909// | AK         | DX  |          | C         | Reactor (TG01020413MADS SK) [L12] リアクトル                 |
| 53  | 0FT23642917// | AG         | DX  |          | C         | Reactor (TG01020413MADS SK) [L21] リアクトル                 |
| 54  | 0FT23644634// | AK         | DX  |          | B         | Variable resistor (EVM-4LGA00B13) [RV2] 可変抵抗器           |
| 55  | 0FT23652300// | BA         | FX  | N        | B         | Photo coupler (S21ME3FY 0884) [PC4] フォトカプラー             |
| 56  | 0FT23652300// | BA         | FX  | N        | B         | Photo coupler (S21ME3FY 0884) [PC5] フォトカプラー             |
| 57  | 0FT23665984// | AU         | EZ  |          | C         | Diode (D15XB60) [RC1] 整流器                               |
| 58  | 0FT23667731// | AF         | DS  | N        | C         | Resistor (RNM14FX 560Ω DK) [RX31] 金属被膜抵抗器               |
| 59  | 0FT23706486// | AR         | EQ  | N        | B         | Surge absorber (ERZV14D471) [NR1] サージアブソーバー             |
| 60  | 0FT23716503// | AF         | DS  | N        | C         | Resistor (RNM14FX 470Ω DK) [RX30] 金属被膜抵抗器               |
| 61  | 0FT23723127// | AK         | DX  |          | A         | Fuse (FBT6.3 AC125V 6.3A) [F2] ガラス管フューズ                 |
| 62  | 0FT23740277// | AK         | DX  |          | B         | Variable resistor (EVM-4LGA00B12) [RV1] 可変抵抗器           |
| 63  | 0FT23761126// | AG         | DX  |          | A         | Fuse (FBT4 AC125V 4A) [F3] ガラス管フューズ                     |
| 64  | 0FT23761126// | AG         | DX  |          | A         | Fuse (FBT4 AC125V 4A) [F4] ガラス管フューズ                     |
| 65  | 0FT23767299// | BF         | GN  | N        | C         | Capacitor (KMH200VNSN-1800-35F DIA35X50L) [C16] 電解コンデンサ |
| 66  | 0FT23095657// | AF         | DS  | N        | B         | Transistor (2SC1815-Y:GR TPE2) [Q5] トランジスタ              |
| 67  | 0FT23095657// | AF         | DS  | N        | B         | Transistor (2SC1815-Y:GR TPE2) [Q7] トランジスタ              |
| 68  | 0FT23095657// | AF         | DS  | N        | B         | Transistor (2SC1815-Y:GR TPE2) [Q12] トランジスタ             |
| 69  | 0FT23124843// | AP         | EQ  | N        | C         | Capacitor (KME10VB-2200 TC-03) [C68] 電解コンデンサ            |
| 70  | 0FT23124843// | AP         | EQ  | N        | C         | Capacitor (KME10VB-2200 TC-03) [C69] 電解コンデンサ            |
| 71  | 0FT23204790// | AP         | EQ  | N        | C         | Capacitor (KME35VB-100 TC-04) [C15] 電解コンデンサ             |
| 72  | 0FT23204790// | AP         | EQ  | N        | C         | Capacitor (KME35VB-100 TC-04) [C30] 電解コンデンサ             |
| 73  | 0FT23259447// | AK         | DX  | N        | C         | Capacitor (KME50VB-1 TC-04) [CX21] 電解コンデンサ              |
| 74  | 0FT23259447// | AK         | DX  | N        | C         | Capacitor (KME50VB-1 TC-04) [CX25] 電解コンデンサ              |
| 75  | 0FT23259498// | AK         | DX  | N        | C         | Capacitor (KME50VB-10 TC-04) [C115] 電解コンデンサ             |
| 76  | 0FT23259498// | AK         | DX  | N        | C         | Capacitor (KME50VB-10 TC-04) [C135] 電解コンデンサ             |
| 77  | 0FT23259536// | AP         | EQ  | N        | C         | Capacitor (KME63VB-100 TC-04) [C34] 電解コンデンサ             |
| 78  | 0FT23287637// | AP         | EQ  | N        | B         | Transistor (2SA1020-O:Y TPE6) [Q3] トランジスタ               |
| 79  | 0FT23287637// | AP         | EQ  | N        | B         | Transistor (2SA1020-O:Y TPE6) [Q23] トランジスタ              |
| 80  | 0FT23287637// | AP         | EQ  | N        | B         | Transistor (2SA1020-O:Y TPE6) [Q26] トランジスタ              |
| 81  | 0FT23287823// | AK         | DX  | N        | C         | Capacitor (KME50VB-22 TC-04) [C111] 電解コンデンサ             |

# 24 電源基板 100V 系(Power supply PWB 100Vseries)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                                   |
|-----|---------------|------------|-----|----------|-----------|---|
|     |               | Ex.        | Ja. |          |           |   |
| 82  | 0FT23287823// | AK         | DX  | N        | C         | Capacitor (KME50VB-22 TC-04) [C131] 電解コンデンサ   |
| 83  | 0FT23314863// | AF         | DS  | N        | B         | Zener diode (RD6.8ES-B3 TA11R) [D6] ツナグイート    |
| 84  | 0FT23314871// | AF         | DS  | N        | B         | Zener diode (RD6.2ES-B2 TA11R) [D11] ツナグイート   |
| 85  | 0FT23314936// | AF         | DS  | N        | B         | Zener diode (RD5.6ES-B2 TA11R) [D27] ツナグイート   |
| 86  | 0FT23314944// | AF         | DS  | N        | B         | Zener diode (RD6.8ES-B2 TA11R) [D20] ツナグイート   |
| 87  | 0FT23314944// | AF         | DS  | N        | B         | Zener diode (RD6.8ES-B2 TA11R) [D51] ツナグイート   |
| 88  | 0FT23314944// | AF         | DS  | N        | B         | Zener diode (RD6.8ES-B2 TA11R) [D54] ツナグイート   |
| 89  | 0FT23314979// | AF         | DS  | N        | B         | Zener diode (RD12ES-B3 TA11R) [D5] ツナグイート     |
| 90  | 0FT23315010// | AF         | DS  | N        | B         | Zener diode (RD27ES-B2 TA11R) [D18] ツナグイート    |
| 91  | 0FT23316084// | AF         | DS  | N        | B         | Zener diode (RD13ES-B2 TA11R) [D14] ツナグイート    |
| 92  | 0FT23319431// | AF         | DS  | N        | B         | Diode (1SS119-14 TD) [D9] ダイオード               |
| 93  | 0FT23319431// | AF         | DS  | N        | B         | Diode (1SS119-14 TD) [D19] ダイオード              |
| 94  | 0FT23319431// | AF         | DS  | N        | B         | Diode (1SS119-14 TD) [D21] ダイオード              |
| 95  | 0FT23319431// | AF         | DS  | N        | B         | Diode (1SS119-14 TD) [D26] ダイオード              |
| 96  | 0FT23319431// | AF         | DS  | N        | B         | Diode (1SS119-14 TD) [D28] ダイオード              |
| 97  | 0FT23319431// | AF         | DS  | N        | B         | Diode (1SS119-14 TD) [D31] ダイオード              |
| 98  | 0FT23319431// | AF         | DS  | N        | B         | Diode (1SS119-14 TD) [D53] ダイオード              |
| 99  | 0FT23319431// | AF         | DS  | N        | B         | Diode (1SS119-14 TD) [D56] ダイオード              |
| 100 | 0FT23394395// | AU         | EZ  | N        | C         | Capacitor (KME10VB-3300 TC-03) [C106] 電解コンデンサ |
| 101 | 0FT23394395// | AU         | EZ  | N        | C         | Capacitor (KME10VB-3300 TC-03) [C126] 電解コンデンサ |
| 102 | 0FT23400832// | AF         | DS  | N        | B         | Zener diode (D3.9ES-B2 TA11R) [D29] ツナグイート    |
| 103 | 0FT23415031// | AD         | DJ  | N        | C         | Resistor (RDF14 TS 18KΩ) [R41] カーボン抵抗器        |
| 104 | 0FT23415325// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 15Ω) [RX21] カーボン抵抗器       |
| 105 | 0FT23415341// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 22Ω) [RX25] カーボン抵抗器       |
| 106 | 0FT23415341// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 22Ω) [R79] カーボン抵抗器        |
| 107 | 0FT23415376// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 33Ω) [R132] カーボン抵抗器       |
| 108 | 0FT23415392// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 47Ω) [R162] カーボン抵抗器       |
| 109 | 0FT23415430// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 100Ω) [R42] カーボン抵抗器       |
| 110 | 0FT23415430// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 100Ω) [R54] カーボン抵抗器       |
| 111 | 0FT23415473// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 220Ω) [RX22] カーボン抵抗器      |
| 112 | 0FT23415473// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 220Ω) [RX26] カーボン抵抗器      |
| 113 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [RX4] カーボン抵抗器        |
| 114 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [RX23] カーボン抵抗器       |
| 115 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [RX24] カーボン抵抗器       |
| 116 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [RX27] カーボン抵抗器       |
| 117 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [RX28] カーボン抵抗器       |
| 118 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [R21] カーボン抵抗器        |
| 119 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [R24] カーボン抵抗器        |
| 120 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [R55] カーボン抵抗器        |
| 121 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [R60] カーボン抵抗器        |
| 122 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [R124] カーボン抵抗器       |
| 123 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [R133] カーボン抵抗器       |
| 124 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [R134] カーボン抵抗器       |
| 125 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [R154] カーボン抵抗器       |
| 126 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [R163] カーボン抵抗器       |
| 127 | 0FT23415570// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 1KΩ) [R164] カーボン抵抗器       |
| 128 | 0FT23415619// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 2.2KΩ) [RX1] カーボン抵抗器      |
| 129 | 0FT23415619// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 2.2KΩ) [R23] カーボン抵抗器      |
| 130 | 0FT23415619// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 2.2KΩ) [R48] カーボン抵抗器      |
| 131 | 0FT23415619// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 2.2KΩ) [R62] カーボン抵抗器      |
| 132 | 0FT23415619// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 2.2KΩ) [R63] カーボン抵抗器      |
| 133 | 0FT23415619// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 2.2KΩ) [R145] カーボン抵抗器     |
| 134 | 0FT23415619// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 2.2KΩ) [R146] カーボン抵抗器     |
| 135 | 0FT23415619// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 2.2KΩ) [R175] カーボン抵抗器     |
| 136 | 0FT23415619// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 2.2KΩ) [R176] カーボン抵抗器     |
| 137 | 0FT23415635// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 2.2KΩ) [RX3] カーボン抵抗器      |
| 138 | 0FT23415635// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 3.3KΩ) [R25] カーボン抵抗器      |
| 139 | 0FT23415635// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 3.3KΩ) [R64] カーボン抵抗器      |
| 140 | 0FT23415635// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 3.3KΩ) [R143] カーボン抵抗器     |
| 141 | 0FT23415635// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 3.3KΩ) [R173] カーボン抵抗器     |
| 142 | 0FT23415643// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 3.9KΩ) [R77] カーボン抵抗器      |
| 143 | 0FT23415651// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 4.7KΩ) [R82] カーボン抵抗器      |
| 144 | 0FT23415651// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 4.7KΩ) [R83] カーボン抵抗器      |
| 145 | 0FT23415678// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 5.6KΩ) [R142] カーボン抵抗器     |
| 146 | 0FT23415686// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 5.1KΩ) [R43] カーボン抵抗器      |
| 147 | 0FT23415716// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 10KΩ) [R22] カーボン抵抗器       |
| 148 | 0FT23415716// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 10KΩ) [R39] カーボン抵抗器       |
| 149 | 0FT23415716// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 10KΩ) [R86] カーボン抵抗器       |
| 150 | 0FT23415716// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 10KΩ) [R122] カーボン抵抗器      |
| 151 | 0FT23415716// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 10KΩ) [R152] カーボン抵抗器      |
| 152 | 0FT23415732// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 12KΩ) [R141] カーボン抵抗器      |
| 153 | 0FT23415732// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 12KΩ) [R171] カーボン抵抗器      |
| 154 | 0FT23415740// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 15KΩ) [R45] カーボン抵抗器       |
| 155 | 0FT23415740// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 15KΩ) [R81] カーボン抵抗器       |
| 156 | 0FT23415767// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 22KΩ) [R16] カーボン抵抗器       |
| 157 | 0FT23415767// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 22KΩ) [R51] カーボン抵抗器       |
| 158 | 0FT23415899// | AF         | DS  | N        | C         | Resistor (RDMF14 TS 100KΩ) [RX2] カーボン抵抗器      |
| 159 | 0FT23415929// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 180KΩ) [R136] カーボン抵抗器     |
| 160 | 0FT23415929// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 180KΩ) [R166] カーボン抵抗器     |
| 161 | 0FT23416038// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 1MΩ) [R144] カーボン抵抗器       |



# 24 電源基板 100V 系 (Power supply PWB 100Vseries)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                                     |
|-----|---------------|------------|-----|----------|-----------|---|
|     |               | Ex.        | Ja. |          |           |   |
| 162 | 0FT23416038// | AD         | DJ  | N        | C         | Resistor (RDMF14 TS 1MΩJ) [R174] カーボン抵抗器        |
| 163 | 0FT23543641// | AK         | DX  | N        | C         | Fuse holder (EYF-52BCZ) [F2] フューズ 継ぎ手           |
| 164 | 0FT23543641// | AK         | DX  | N        | C         | Fuse holder (EYF-52BCZ) [F3] フューズ 継ぎ手           |
| 165 | 0FT23543641// | AK         | DX  | N        | C         | Fuse holder (EYF-52BCZ) [F4] フューズ 継ぎ手           |
| 166 | 0FT23605507// | AK         | DX  | N        | B         | Diode (1GU42 TPA3) [D13] ダイオード                  |
| 167 | 0FT23605507// | AK         | DX  | N        | B         | Diode (1GU42 TPA3) [D15] ダイオード                  |
| 168 | 0FT23610810// | AK         | DX  | N        | B         | Diode (S5688GTPA3) [D1] ダイオード                   |
| 169 | 0FT23610810// | AK         | DX  | N        | B         | Diode (S5688GTPA3) [D3] ダイオード                   |
| 170 | 0FT23610810// | AK         | DX  | N        | B         | Diode (S5688GTPA3) [D12] ダイオード                  |
| 171 | 0FT23610810// | AK         | DX  | N        | B         | Diode (S5688GTPA3) [D34] ダイオード                  |
| 172 | 0FT23632954// | AP         | EQ  | N        | B         | Transistor (2SC2655-Y TPE6) [Q4] トランジスタ         |
| 173 | 0FT23632954// | AP         | EQ  | N        | B         | Transistor (2SC2655-Y TPE6) [Q22] トランジスタ        |
| 174 | 0FT23632954// | AP         | EQ  | N        | B         | Transistor (2SC2655-Y TPE6) [Q25] トランジスタ        |
| 175 | 0FT23665941// | AK         | DX  | N        | C         | Ferrite bead (BL02RN1-R62T4) [FB1] フェライトビーズ     |
| 176 | 0FT23678520// | AF         | DS  | N        | C         | Resistor (RNM14TS 1.8KΩ DK) [R137] 金属被膜抵抗器      |
| 177 | 0FT23690474// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 100ΩJ) [R2] 酸化金属被膜抵抗器        |
| 178 | 0FT23690474// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 100ΩJ) [R6] 酸化金属被膜抵抗器        |
| 179 | 0FT23690482// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 10ΩJ) [R46] 酸化金属被膜抵抗器        |
| 180 | 0FT23696774// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 250KΩJ) [R1] 酸化金属被膜抵抗器       |
| 181 | 0FT23718182// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 15ΩJ) [R123] 酸化金属被膜抵抗器       |
| 182 | 0FT23718182// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 15ΩJ) [R153] 酸化金属被膜抵抗器       |
| 183 | 0FT23728161// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 22ΩJ) [R36] 酸化金属被膜抵抗器        |
| 184 | 0FT23728161// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 22ΩJ) [R44] 酸化金属被膜抵抗器        |
| 185 | 0FT23733289// | AF         | DS  | N        | C         | Resistor (RNM14TS 2.2KΩ DK) [R147] 金属被膜抵抗器      |
| 186 | 0FT23733289// | AF         | DS  | N        | C         | Resistor (RNM14TS 2.2KΩ DK) [R177] 金属被膜抵抗器      |
| 187 | 0FT23735125// | AF         | DS  | N        | C         | Capacitor (ECQ-B1H472KF4) [C113] フィルムコンデンサ      |
| 188 | 0FT23752267// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 2.2ΩJ) [R85] 酸化金属被膜抵抗器       |
| 189 | 0FT23752267// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 2.2ΩJ) [R129] 酸化金属被膜抵抗器      |
| 190 | 0FT23752267// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 2.2ΩJ) [R159] 酸化金属被膜抵抗器      |
| 191 | 0FT23758591// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 220ΩJ) [R125] 酸化金属被膜抵抗器      |
| 192 | 0FT23758591// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 220ΩJ) [R126] 酸化金属被膜抵抗器      |
| 193 | 0FT23758591// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 220ΩJ) [R155] 酸化金属被膜抵抗器      |
| 194 | 0FT23758591// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 220ΩJ) [R156] 酸化金属被膜抵抗器      |
| 195 | 0FT23774899// | AF         | DS  | N        | C         | Resistor (RNM14TS 1.2KΩ DK) [R78] 金属被膜抵抗器       |
| 196 | 0FT33019548// | AU         | EZ  | N        | C         | Capacitor (KME35VB-1000 TD-03) [C56] 電解コンデンサ    |
| 197 | 0FT33019548// | AU         | EZ  | N        | C         | Capacitor (KME35VB-1000 TD-03) [C101] 電解コンデンサ   |
| 198 | 0FT33019548// | AU         | EZ  | N        | C         | Capacitor (KME35VB-1000 TD-03) [C121] 電解コンデンサ   |
| 199 | 0FT33029853// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 100KΩJ) [R28] 酸化金属被膜抵抗器      |
| 200 | 0FT33029853// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 100KΩJ) [R29] 酸化金属被膜抵抗器      |
| 201 | 0FT33036442// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 180ΩJ) [R40] 酸化金属被膜抵抗器       |
| 202 | 0FT33055277// | AK         | DX  | N        | C         | Terminal (TP00448-41) 端子                        |
| 203 | 0FT33066740// | AD         | DJ  | N        | C         | Resistor (RSMF12TS 33ΩJ) [R59] 酸化金属被膜抵抗器        |
| 204 | 0FT33084862// | AK         | DX  | N        | C         | Capacitor (ECQ-V1H473JL2) [CX23] フィルムコンデンサ      |
| 205 | 0FT33084862// | AK         | DX  | N        | C         | Capacitor (ECQ-V1H473JL2) [CX27] フィルムコンデンサ      |
| 206 | 0FT33116497// | AG         | DX  | N        | C         | Capacitor (ECQ-B1H471KF4) [C25] フィルムコンデンサ       |
| 207 | 0FT33116551// | AK         | DX  | N        | C         | Capacitor (ECQ-V1H224JL2) [CX4] フィルムコンデンサ       |
| 208 | 0FT33116551// | AK         | DX  | N        | C         | Capacitor (ECQ-V1H224JL2) [C24] フィルムコンデンサ       |
| 209 | 0FT33116551// | AK         | DX  | N        | C         | Capacitor (ECQ-V1H224JL2) [C70] フィルムコンデンサ       |
| 210 | 0FT33185650// | AK         | DX  | N        | C         | Capacitor (DE0905-979R102K1K) [C36] セラミックコンデンサ  |
| 211 | 0FT33185650// | AK         | DX  | N        | C         | Capacitor (DE0905-979R102K1K) [C37] セラミックコンデンサ  |
| 212 | 0FT33185650// | AK         | DX  | N        | C         | Capacitor (DE0905-979R102K1K) [C38] セラミックコンデンサ  |
| 213 | 0FT33185650// | AK         | DX  | N        | C         | Capacitor (DE0905-979R102K1K) [C39] セラミックコンデンサ  |
| 214 | 0FT33188633// | AF         | DS  | N        | C         | Capacitor (ECQ-B1H223KF4) [C19] フィルムコンデンサ       |
| 215 | 0FT33188641// | AF         | DS  | N        | C         | Capacitor (ECQ-B1H103KF4) [CX22] フィルムコンデンサ      |
| 216 | 0FT33188641// | AF         | DS  | N        | C         | Capacitor (ECQ-B1H103KF4) [CX26] フィルムコンデンサ      |
| 217 | 0FT33188641// | AF         | DS  | N        | C         | Capacitor (ECQ-B1H103KF4) [C13] フィルムコンデンサ       |
| 218 | 0FT33188641// | AF         | DS  | N        | C         | Capacitor (ECQ-B1H103KF4) [C22] フィルムコンデンサ       |
| 219 | 0FT33188641// | AF         | DS  | N        | C         | Capacitor (ECQ-B1H103KF4) [C62] フィルムコンデンサ       |
| 220 | 0FT33213786// | AK         | DX  | N        | C         | Capacitor (DE1007-486E222M-KH) [C32] セラミックコンデンサ |
| 221 | 0FT33213786// | AK         | DX  | N        | C         | Capacitor (DE1007-486E222M-KH) [C65] セラミックコンデンサ |
| 222 | 0FT33213786// | AK         | DX  | N        | C         | Capacitor (DE1007-486E222M-KH) [C66] セラミックコンデンサ |
| 223 | 0FT33213786// | AK         | DX  | N        | C         | Capacitor (DE1007-486E222M-KH) [C79] セラミックコンデンサ |
| 224 | 0FT33213786// | AK         | DX  | N        | C         | Capacitor (DE1007-486E222M-KH) [C80] セラミックコンデンサ |
| 225 | 0FT33295049// | AK         | DX  | N        | C         | Capacitor (DE0605-979SL470J2K) [C27] セラミックコンデンサ |
| 226 | 0FT33377266// | AF         | DS  | N        | B         | Zener diode (RD10ES-B2 TA11R) [D30] ツェナーダイオード   |
| 227 | 0FT33388799// | AP         | EQ  | N        | C         | Capacitor (DE1207-486E332M-KH) [C10] セラミックコンデンサ |
| 228 | 0FT33388799// | AP         | EQ  | N        | C         | Capacitor (DE1207-486E332M-KH) [C11] セラミックコンデンサ |
| 229 | 0FT33424604// | AF         | DS  | N        | C         | Resistor (RNM14TS 330Ω DK) [R167] 金属被膜抵抗器       |
| 230 | 0FT33428316// | AK         | DX  | N        | C         | Capacitor (DE0705-979R471K1K) [C20] セラミックコンデンサ  |
| 231 | 0FT33428316// | AK         | DX  | N        | C         | Capacitor (DE0705-979R471K1K) [C21] セラミックコンデンサ  |
| 232 | 0FT33428316// | AK         | DX  | N        | C         | Capacitor (DE0705-979R471K1K) [C33] セラミックコンデンサ  |
| 233 | 0FT33428316// | AK         | DX  | N        | C         | Capacitor (DE0705-979R471K1K) [C35] セラミックコンデンサ  |
| 234 | 0FT33428421// | AK         | DX  | N        | C         | Capacitor (DE506-979R102K250) [C102] セラミックコンデンサ |
| 235 | 0FT33428421// | AK         | DX  | N        | C         | Capacitor (DE506-979R102K250) [C103] セラミックコンデンサ |
| 236 | 0FT33428421// | AK         | DX  | N        | C         | Capacitor (DE506-979R102K250) [C104] セラミックコンデンサ |
| 237 | 0FT33428421// | AK         | DX  | N        | C         | Capacitor (DE506-979R102K250) [C105] セラミックコンデンサ |
| 238 | 0FT33428421// | AK         | DX  | N        | C         | Capacitor (DE506-979R102K250) [C122] セラミックコンデンサ |
| 239 | 0FT33428421// | AK         | DX  | N        | C         | Capacitor (DE506-979R102K250) [C123] セラミックコンデンサ |
| 240 | 0FT33428421// | AK         | DX  | N        | C         | Capacitor (DE506-979R102K250) [C124] セラミックコンデンサ |
| 241 | 0FT33428421// | AK         | DX  | N        | C         | Capacitor (DE506-979R102K250) [C125] セラミックコンデンサ |

## 24 電源基板 100V 系(Power supply PWB 100Vseries)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION  |
|-----|---------------|------------|-----|----------|-----------|--|
|     |               | Ex.        | Ja. |          |           |  |
| 242 | 0FT33518331// | AF         | DS  | N        | C         | Capacitor (ECQ-V1H104JL3) [CX1] フィルムコンデンサ              |
| 243 | 0FT33518331// | AF         | DS  | N        | C         | Capacitor (ECQ-V1H104JL3) [CX3] フィルムコンデンサ              |
| 244 | 0FT33518331// | AF         | DS  | N        | C         | Capacitor (ECQ-V1H104JL3) [C4] フィルムコンデンサ               |
| 245 | 0FT33518331// | AF         | DS  | N        | C         | Capacitor (ECQ-V1H104JL3) [C8] フィルムコンデンサ               |
| 246 | 0FT33518331// | AF         | DS  | N        | C         | Capacitor (ECQ-V1H104JL3) [C29] フィルムコンデンサ              |
| 247 | 0FT33057253// | BA         | FX  | N        | C         | Reactor (ADR-25-05-050S) [L4] リアクトル                    |
| 248 | 0FT33084013// | AX         | FG  | N        | C         | Connector (B03P-VL) [CN1] コネクタ                         |
| 249 | 0FT33189486// | BA         | FX  | N        | B         | Triac (BT139X-800) [CR1] トライアック                        |
| 250 | 0FT33201516// | BA         | FX  | N        | C         | Reactor (ADR-18-05-020S) [L3] リアクトル                    |
| 251 | 0FT33262132// | AP         | EQ  | N        | B         | Photo coupler (PC123FY2) [PC1] フォトカプラー                 |
| 252 | 0FT33262132// | AP         | EQ  | N        | B         | Photo coupler (PC123FY2) [PC2] フォトカプラー                 |
| 253 | 0FT33262132// | AP         | EQ  | N        | B         | Photo coupler (PC123FY2) [PC3] フォトカプラー                 |
| 254 | 0FT33262132// | AP         | EQ  | N        | B         | Photo coupler (PC123FY2) [PC6] フォトカプラー                 |
| 255 | 0FT33293976// | AF         | DS  |          | C         | Capacitor (DD104-63CH470J50) [C61] セラミックコンデンサ          |
| 256 | 0FT33377029// | BB         | GD  | N        | B         | FET (2SJ494 60V 20A) [Q21] FET                         |
| 257 | 0FT33377029// | BB         | GD  | N        | B         | FET (2SJ494 60V 20A) [Q24] FET                         |
| 258 | 0FT33408188// | AZ         | FQ  |          | B         | FET (2SK2368(500V 15A)) [Q1] FET                       |
| 259 | 0FT33408188// | AZ         | FQ  |          | B         | FET (2SK2368(500V 15A)) [Q2] FET                       |
| 260 | 0FT33408390// | AX         | FG  | N        | C         | Resistor (MEG05N4R7JB135 5W 4.7Ω UL/CSA) [R17] セメント抵抗器 |
| 261 | 0FT33440960// | AZ         | FQ  |          | B         | IC (FA5316P) [Z1] IC                                   |
| 262 | 0FT33441592// | AP         | EQ  |          | C         | Capacitor (ECQU2A105ML P=22.5MM) [C3] フィルムコンデンサ        |
| 263 | 0FT33441614// | AP         | EQ  |          | C         | Capacitor (ECQU2A474ML P=22.5MM) [C12] フィルムコンデンサ       |
| 264 | 0FT33441622// | AL         | EB  | N        | C         | Capacitor (ECQU2A104ML P=15.0MM) [C6] フィルムコンデンサ        |
| 265 | 0FT33469128// | BA         | FX  | N        | B         | Diode (YG805C04R) [RC10] 整流器                           |
| 266 | 0FT33469128// | BA         | FX  | N        | B         | Diode (YG805C04R) [RC11] 整流器                           |
| 267 | 0FT33477031// | BA         | FX  |          | C         | Reactor (FS14SS-16-60) [L8] リアクトル                      |
| 268 | 0FT33487010// | AP         | EQ  | N        | C         | Connector (B03B-XASK-1-A) [CN4] コネクタ                   |
| 269 | 0FT33504675// | AK         | DX  | N        | C         | Tube (48TR-A-DIA13.5-30) 放熱チューブ                        |
| 270 | 0FT33529090// | AP         | EQ  | N        | C         | Terminal (85163 #250) [L1] ファストン端子                     |
| 271 | 0FT33529090// | AP         | EQ  | N        | C         | Terminal (85163 #250) [N1] ファストン端子                     |
| 272 | 0FT33539436// | BA         | FX  | N        | C         | Connector (B12P-HL-A) [CN5] コネクタ                       |
| 273 | 0FT33539460// | AZ         | FQ  | N        | B         | Triac (TM1641P-L L) [CR2] トライアック                       |
| 274 | 0FT33539460// | AZ         | FQ  | N        | B         | Triac (TM1641P-L L) [CR3] トライアック                       |
| 275 | 0FT33583524// | BA         | FX  | N        | C         | Heat sink (PUG16-35 H=22.5) 放熱器                        |
| 276 | 0FT33594429// | AP         | EQ  | N        | C         | Resistor (RGC502 15MΩJ) [R67] セメント抵抗器                  |
| 277 | 0FT33594429// | AP         | EQ  | N        | C         | Resistor (RGC502 15MΩJ) [R73] セメント抵抗器                  |
| 278 | 0FT33607598// | BF         | GN  | N        | C         | Fin (AL1 100X38X11X1.5T) フィン                           |
| 279 | 0FT33607652// | AP         | EQ  | N        | C         | Resistor (RGC502 50MΩJ) [R38] セメント抵抗器                  |
| 280 | 0FT33628129// | BF         | GN  | N        | C         | Fin (AL1 212X40X18X2.0T) フィン                           |
| 281 | 0FT33629214// | AU         | EZ  | N        | C         | Resistor (MNG05N4R7JC) [R18] セメント抵抗器                   |
| 282 | 0FT35863303// | BN         | LE  | N        | B         | Transformer (EXT42820-642A) [T1] 変圧器                   |
|     | ユニット (Unit)   |            |     |          |           |  |
| 901 | RDENC0002FCZZ | BX         | RR  | N        | E         | Power supply unit [100V series] 電源ユニット                 |

## 25 電源基板 200V 系(Power supply PWB 200Vseries)

| NO. | PARTS CODE     | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                              |
|-----|----------------|------------|-----|----------|-----------|--|
|     |                | Ex.        | Ja. |          |           |  |
| 1   | LANGK8268PAZZ  | AC         | DJ  |          | C         | Angle アングル                               |
| 2   | LX-BZ0241PAZZ  | AA         | DD  |          | C         | Screw (M3+S8) ビス                         |
| 3   | LX-BZ0254PAZZ  | AB         | DD  |          | C         | Screw (3M+6S) ビス                         |
| 4   | LX-BZ0256PAZZ  | AB         | DD  |          | C         | Screw (M3+S12) ビス                        |
| 5   | LX-BZ0422PAZZ  | AB         | DD  |          | C         | Screw (M3+10(W,SW)) ビス                   |
| 6   | PRDAR0534PAZZ  | AE         | DS  |          | C         | Heat sink (H=30) 放熱板                     |
| 7   | PRDAR0633PAZZ  | AF         | DS  | N        | C         | Heat sink (FIN(BD37)) 放熱板                |
| 8   | PRDAR0638PAZZ  | AK         | DX  | N        | C         | Heat sink (FIN-A) 放熱板                    |
| 9   | PZET00062PAZZ  | AD         | DJ  |          | C         | Silicon tube (45T-11-30L) シリコンチューブ       |
| 10  | PZET00070PAZZ  | AE         | DJ  |          | C         | Silicon tube (T45-13.5-L30) シリコンチューブ     |
| 11  | RH-HX0027PAZZ  | AE         | DS  |          | B         | Thermistor (PTH9M04BE471) [TH101] サーミスタ  |
| 12  | VHDESAD92M02/  | AK         | EB  |          | B         | Diode (ESAD92M02) [D101] ダイオード           |
| 13  | VHDGSI6A60-1   | AH         | DX  | N        | B         | Diode (GSIB6A60) [BD1] ダイオード             |
| 14  | VHDYG805C04-1  | AH         | DX  | N        | B         | Diode (YG805C04) [D201,D301] ダイオード       |
| 15  | VHSTM1661P/-F  | AT         | EZ  |          | B         | Thyristor (TM1661P-L(L)) [TRC41,42] サリスタ |
| 16  | VHSTM861S//--1 | AG         | DX  | N        | B         | Thyristor (TM861S) [TRC1] サリスタ           |
| 17  | VS2SJ477//--1  | AL         | EB  | N        | B         | Transistor (2SJ477) [Q201,Q301] トランジスタ   |
| 18  | VS2SK2082//--1 | AT         | EZ  |          | B         | Transistor (2SK2082) [Q1] トランジスタ         |
| 19  | QFSHA0025PAZZ  | AC         | DJ  |          | C         | Fuse holder [F1-4] ヒューズホルダー              |
| 21  | RCORF4093PAZZ  | AB         | DJ  | N        | C         | Ferrite bead [BJ1,2,3,101,102] フェライトビーズ  |
| 22  | RR-DZ0029PAZZ  | AA         | DD  |          | C         | Resistor (1/4W-100J) [R42,45] 抵抗         |
| 23  | RR-DZ0034PAZZ  | AA         | DD  | N        | C         | Resistor (1/4W-220J) [R43,46] 抵抗         |
| 24  | RR-SN1021PA6D  | AB         | DD  | N        | C         | Resistor ((SN)1/6S 1.02) [R105] 抵抗       |
| 25  | RR-SN9311PA6D  | AB         | DD  | N        | C         | Resistor ((SN)1/6S 9.31) [R104] 抵抗       |
| 26  | RR-XZ0012PAZZ  | AB         | DD  |          | B         | Fuse Resistor (1/4W 4.7Ω) [R4] フューズ抵抗    |
| 27  | RR-XZ0030PAZZ  | AB         | DD  |          | B         | Fuse Resistor (1/6W 100Ω) [R6,13] フューズ抵抗 |
| 28  | VHDERA2210/-1  | AD         | DJ  | N        | B         | Diode (ERA22-10) [D4] ダイオード              |
| 29  | VHDERA9102/-1  | AC         | DD  |          | B         | Diode (ERA91-02) [D1] ダイオード              |
| 30  | VHD1N4005//--1 | AC         | DJ  |          | B         | Diode (1N4005-G23) [D3] ダイオード            |

# 25 電源基板200V系(Power supply PWB 200Vseries)

| NO. | PARTS CODE    | PRICE RANK |     | NEW MARK | PART RANK | DESCRIPTION                                    |
|-----|---------------|------------|-----|----------|-----------|--|
|     |               | Ex.        | Ja. |          |           |  |
| 31  | VHD1SS270A/-1 | AA         | DD  |          | B         | Diode (1SS270A) [D2,102,103,202] ダイオード         |
| 32  | VHEHZS27-1/-1 | AB         | DJ  | N        | B         | Zener diode (HZS27-1) [ZD1,101] ヴィナダー イート      |
| 33  | VHEHZS4B2/-1  | AB         | DJ  | N        | B         | Zener diode (HZS4B2) [ZD301] ヴィナダー イート         |
| 34  | VHEHZS6B2/-1  | AC         | DJ  |          | B         | Zener diode (HZS6B2) [ZD201] ヴィナダー イート         |
| 35  | VHERD39ESB1-1 | AC         | DJ  |          | B         | Zener diode (RD39ESB1(A)) [ZD2,3] ヴィナダー イート    |
| 36  | VHERD6.8ESB11 | AC         | DJ  |          | B         | Zener diode (RD6.8ESAB1) [ZD4] ヴィナダー イート       |
| 37  | VRD-ST2CD102J | AA         | DD  |          | C         | Resistor ((ST)1/6S-1KJ) [R11,18] 抵抗            |
| 38  | VRD-ST2CD103J | AA         | DD  |          | C         | Resistor ((ST)1/6S-10KJ) [R12] 抵抗              |
| 39  | VRD-ST2CD104J | AA         | DD  |          | C         | Resistor ((ST)1/6S-100KJ) [R143] 抵抗            |
| 40  | VRD-ST2CD151J | AA         | DD  |          | C         | Resistor (1/6W 150Ω ±5%) [R19,20] 抵抗           |
| 41  | VRD-ST2CD153J | AA         | DD  |          | C         | Resistor ((ST)1/6S-15KJ) [R88] 抵抗              |
| 42  | VRD-ST2CD221J | AA         | DD  |          | C         | Resistor ((ST)1/6S-220J) [R102,108] 抵抗         |
| 43  | VRD-ST2CD223J | AA         | DD  |          | C         | Resistor ((ST)1/6S-22KJ) [R87] 抵抗              |
| 44  | VRD-ST2CD270J | AB         | DD  | N        | C         | Resistor ((ST)1/6S-27J) [R106] 抵抗              |
| 45  | VRD-ST2CD471J | AA         | DD  |          | C         | Resistor (1/6W 470Ω ±5%) [R101,103,107] 抵抗     |
| 46  | VRD-ST2CD472J | AA         | DD  |          | C         | Resistor ((ST)1/6S-4.7KJ) [R7,110,144] 抵抗      |
| 47  | VRD-ST2CD682J | AA         | DD  |          | C         | Resistor (1/6W 6.8KΩ ±5%) [R10] 抵抗             |
| 48  | VRD-ST2CD821J | AB         | DD  | N        | C         | Resistor ((ST)1/6S-820J) [R8] 抵抗               |
| 49  | VRD-ST2EF824J | AA         | DD  |          | C         | Resistor (1/4W 8.2KΩ ±5%) [R82] 抵抗             |
| 50  | VRD-ST2HA470J | AB         | DD  | N        | C         | Resistor ((ST)1/2S-47J) [R3] 抵抗                |
| 51  | VRD-ST2HF224J | AB         | DD  |          | C         | Resistor (1/2W 220KΩ ±5%) [R1] 抵抗              |
| 52  | VRD-ST2HF273J | AB         | DD  | N        | C         | Resistor ((ST)1/2S-27KJ) [R23,24] 抵抗           |
| 53  | VRS-FT3AD104J | AB         | DD  | N        | C         | Resistor ((FT)1.0W-100K) [R15,16] 抵抗           |
| 54  | VRS-FT3AD121J | AA         | DD  |          | C         | Resistor ((FT)1.0W-120 ±5%) [R41,44] 抵抗        |
| 55  | VRS-FT3AD181J | AB         | DD  | N        | C         | Resistor ((FT)1.0W-180J) [R223,323] 抵抗         |
| 56  | VRS-FT3AD270J | AB         | DD  | N        | C         | Resistor ((FT)1.0W-27J) [R9] 抵抗                |
| 58  | RC-KZ4014PAZZ | AC         | DD  |          | C         | Capacitor (ECKZ3A471KB) [C14,101,102] コンデンサ    |
| 59  | RC-QZA103PARJ | AB         | DD  | N        | C         | Capacitor (103PF/J/50V) [C17] コンデンサ            |
| 60  | RC-QZA222PARJ | AB         | DD  | N        | C         | Capacitor (2200PF/J/50V) [C7] コンデンサ            |
| 61  | RC-QZA471PARJ | AB         | DD  | N        | C         | Capacitor (471PF/J/50V) [C12] コンデンサ            |
| 62  | RC-QZA472PARJ | AB         | DD  | N        | C         | Capacitor (472PF/J/50V) [C8] コンデンサ             |
| 63  | RC-QZS104PARJ | AC         | DD  | N        | C         | Capacitor (104PF/J/50V) [C9,11,42,44] コンデンサ    |
| 64  | RC-QZ0130PAZZ | AD         | DD  |          | C         | Capacitor (0.001μF 630V) [C19] コンデンサ           |
| 65  | RC-QZ0176PAZZ | AD         | DJ  |          | C         | Capacitor ((KH)4700PF/25) [C6,21,22] コンデンサ     |
| 66  | RC-QZ0218PAZZ | AC         | DD  |          | C         | Capacitor ((TS)2200PF/250V) [C4,5,81,82] コンデンサ |
| 67  | RH-IX0783PAZZ | AD         | DJ  |          | B         | IC (L5431) [IC101] IC                          |
| 68  | VCEAFU1HM225M | AB         | DD  | N        | C         | Capacitor (YXF 2.2MF/50V) [C105] コンデンサー        |
| 69  | VCEAFU1HM474M | AC         | DD  | N        | C         | Capacitor (YXF 0.47MF/50) [C20] コンデンサー         |
| 70  | VCEAFU1HM476M | AC         | DD  | N        | C         | Capacitor (YXF 47MF/50V) [C10] コンデンサー          |
| 71  | VHVC471D10A-1 | AE         | DJ  |          | B         | Varistor (ENC471D10A) [ZR1]バリスター               |
| 72  | VS2SA673AC/-1 | AE         | DS  |          | B         | Transistor (2SA673AC) [Q2] トランジスタ              |
| 73  | VS2SC1213-C1A | AC         | DD  |          | B         | Transistor (2SC1213C) [Q131,203,303] トランジスタ    |
| 75  | RR-XZ0076PAZZ | AC         | DD  |          | B         | Fuse Resistor (1/6W-1) [R234,334] フューズ 抵抗      |
| 76  | VRD-ST2CD101J | AA         | DD  |          | C         | Resistor ((ST)1/6S-100J) [R204,304] 抵抗         |
| 77  | VRD-ST2CD102J | AA         | DD  |          | C         | Resistor ((ST)1/6S-1KJ) [R210,310] 抵抗          |
| 78  | VRD-ST2CD103J | AA         | DD  |          | C         | Resistor ((ST)1/6S-10KJ) [R232,332] 抵抗         |
| 79  | VRD-ST2CD104J | AA         | DD  |          | C         | Resistor ((ST)1/6S-100KJ) [R239,339] 抵抗        |
| 80  | VRD-ST2CD123J | AA         | DD  |          | C         | Resistor ((ST)1/6S-12KJ) [R235,335] 抵抗         |
| 81  | VRD-ST2CD151J | AA         | DD  |          | C         | Resistor (1/6W 150Ω ±5%) [R202,203,302] 抵抗     |
| 82  | VRD-ST2CD182J | AA         | DD  |          | C         | Resistor (ST1/6S-1.8KJ) [R305] 抵抗              |
| 83  | VRD-ST2CD222J | AA         | DD  |          | C         | Resistor (1/6W 2.2KΩ ±5%) [R237,337] 抵抗        |
| 84  | VRD-ST2CD332J | AA         | DD  |          | C         | Resistor (1/6W 3.3KΩ ±5%) [R205] 抵抗            |
| 85  | VRD-ST2CD333J | AA         | DD  |          | C         | Resistor ((ST)1/6S-33KJ) [R218,318] 抵抗         |
| 86  | VRD-ST2CD470J | AB         | DD  |          | C         | Resistor ((ST)1/6S-47J) [R209,309] 抵抗          |
| 87  | VRD-ST2CD472J | AA         | DD  |          | C         | Resistor ((ST)1/6S-4.7KJ) [R231,233,236] 抵抗    |
| 88  | VRD-ST2CD561J | AA         | DD  |          | C         | Resistor ((ST)1/6S-560J) [R212,312] 抵抗         |
| 89  | VRD-ST2CD823J | AA         | DD  |          | C         | Resistor ((ST)1/6S-82KJ) [R240] 抵抗             |
| 90  | RC-QZS104PARJ | AC         | DD  | N        | C         | Capacitor (104PF/J/50V) [C210,213,310] コンデンサ   |
| 91  | RC-QZS471PARJ | AB         | DD  | N        | C         | Capacitor (471PF/J/50V) [C212] コンデンサ           |
| 92  | RVR-M0390PAZZ | AD         | DJ  |          | B         | Variable resistor (VR-1K) [VR201,301] ホリューム    |
| 93  | VCCSPA1H6331J | AC         | DD  | N        | C         | Capacitor (SL/331PF/J/50) [C211,311] コンデンサー    |
| 94  | VS2SC2785F/-1 | AC         | DJ  |          | B         | Transistor (2SC2785-FF) [Q202,302] トランジスタ      |
| 95  | QTANZ0426PAZZ | AC         | DJ  | N        | C         | Terminal (6030B1-05) [CN201] ターミナル             |
| 96  | QTANZ0480PAZZ | AC         | DJ  | N        | C         | Terminal (6030 4P) [CN301] ターミナル               |
| 97  | RH-IX0275PAZZ | AP         | EZ  |          | B         | IC (TL494CN) [IC201,301] IC                    |
| 98  | LX-BZ0273PAZZ | AB         | DD  |          | C         | Screw (M3X6) [(FIN-A)] ビス                      |
| 99  | QFS-C0051PAZZ | AD         | DJ  | N        | A         | Fuse (T4A H/250V) [F1,3,4] フューズ                |
| 100 | QFS-C0054PAZZ | AD         | DJ  | N        | A         | Fuse (215)6.3A/250 [F2] フューズ                   |
| 101 | QLUGP0024PAZZ | AC         | DJ  | N        | C         | Terminal [N1,L1] 端子                            |
| 102 | QLUGP0034PAZZ | AC         | DJ  | N        | C         | Terminal [-] 端子                                |
| 103 | QLUGP2021YAZZ | AC         | DJ  | N        | C         | Terminal (T-42082) [N2,N2R] 端子                 |
| 104 | QPLGJ2326YAZZ | AB         | DD  |          | C         | Connector (B2P3-VH) [CN3] コネクタ                 |
| 105 | QPLGZ0430PAZZ | AE         | DJ  |          | C         | Connector (B6-PH-K-S)(6PIN) [CN2] コネクタ         |
| 106 | QPLGZ0618PAZZ | AH         | DX  | N        | C         | Connector (B03P-VL) [CN1] コネクタ                 |
| 107 | QPLGZ0622PAZZ | AD         | DJ  | N        | C         | Connector (B03B-XASK-1) [CN4] コネクタ             |
| 108 | QPLGZ0624PAZZ | AN         | EG  | N        | C         | Connector (B12P-HL-A) [CN5] コネクタ               |
| 109 | RC-EZ0502PAZZ | AE         | DJ  |          | C         | Capacitor (PS 2200MF/10V) [C202,203,302] コンデンサ |
| 110 | RC-EZ0646PAZZ | AG         | DX  | N        | C         | Capacitor (MXC 470MF/400) [C15] コンデンサ          |
| 111 | RC-FZ148DPAZZ | AD         | DD  | N        | C         | Capacitor (RE)0.1MF/275 [C2,41,43,83] コンデンサ    |
| 112 | RC-FZ150DPAZZ | AE         | DS  |          | C         | Capacitor (RE)0.33MF/27 [C23,24] コンデンサ         |

25 電源基板 200V 系 (Power supply PWB 200Vseries)

[illegible]

# 索引(Index)

| PARTS CODE    | JAPAN ONLY<br>ORDER CODE | NO.    | PRICE R. |     | NEW | P/R |
|---------------|--------------------------|--------|----------|-----|-----|-----|
|               |                          |        | Ex.      | Ja. |     |     |
| 【C】           |                          |        |          |     |     |     |
| CBOX-0125DS51 | 572 307 0465             | 11-901 | BD       | GN  | N   | E   |
| CBOX-0128FC02 | 572 307 0463             | 12- 18 | AX       | FG  | N   | E   |
| CBRGP0639FC01 | 572 272 0780             | 11- 13 | AH       | DX  | N   | E   |
| CCADZ1517FC01 | 572 913 0953             | 17- 15 | AB       | DJ  | N   | D   |
| CCADZ1518FC01 | 572 913 0954             | 17- 15 | AB       | DJ  | N   | D   |
| CCASP0175FC31 | 572 108 1298             | 16-901 | BD       | GN  | N   | E   |
| CCASZ0295DS51 | 572 108 1301             | 9-901  | BA       | FX  | N   | E   |
| CCASZ0296DS51 | 572 108 1302             | 14- 51 | BB       | GD  | N   | E   |
| CCLEZ0162FC31 | 572 704 0098             | 10- 49 | AW       | FG  | N   | C   |
| CCLEZ0163FC31 | 572 704 0099             | 10- 42 | AS       | EQ  | N   | C   |
| CCÖVP1535FC01 | 572 110 1205             | 10- 27 | AM       | EG  | N   | C   |
| CDAiU0624DS51 | 572 210 1185             | 15-501 | BP       | LP  | N   | E   |
| CDÖR-0030DS51 | 572 113 0062             | 2-901  | BP       | LP  | N   | E   |
| CDSKA0005FC31 | 572 966 0012             | 17- 12 | AP       | EQ  | N   | D   |
| CDSKA0005FC32 | 572 966 0011             | 17- 12 | AP       | EQ  | N   | D   |
| CDSKA0005GH33 |                          | 17- 12 | AP       |     | N   | D   |
| CFiLW0281FC01 | 572 337 0398             | 1- 4   | AT       | EZ  | N   | D   |
| CFiLW0281FC02 | 572 337 0395             | 1- 4   | AS       | EQ  | N   | D   |
| CFLT-0064FC01 | 572 340 0061             | 7- 32  | AN       | EG  | N   | C   |
| CFRM-1016DS51 | 572 213 2149             | 4-901  | BP       | LP  | N   | E   |
| CFRM-1017DS71 | 572 213 2158             | 10-901 | BN       | LE  | N   | E   |
| CFRM-1017DS72 | 572 213 2159             | 10-901 | BN       | LE  | N   | E   |
| CFRM-1017DS73 | 572 213 2160             | 10-901 | BN       | LE  | N   | E   |
| CFRM-1017FC01 | 572 213 2138             | 10- 52 | AX       | FG  | N   | C   |
| CFRM-1020DS51 | 572 213 2150             | 8-901  | BQ       | LP  | N   | E   |
| CGERH1420FC01 | 572 281 2106             | 11- 6  | AF       | DS  | N   | C   |
| CGiDH1883DS51 | 572 345 3638             | 14-501 | BG       | GX  | N   | E   |
| CGiDH1961FC01 | 572 345 3589             | 3- 40  | AQ       | EQ  | N   | C   |
| CGiDM1887DS51 | 572 345 3639             | 3-901  | BF       | GN  | N   | E   |
| CHLDZ1444FC01 | 572 214 2134             | 11- 36 | AH       | DX  | N   | C   |
| CHLDZ1445FC01 | 572 214 2135             | 11- 10 | AL       | EB  | N   | C   |
| CHLDZ1473DS51 | 572 214 2188             | 10-501 | BN       | HZ  | N   | E   |
| CHLDZ1474DS51 | 572 214 2189             | 5-901  | BN       | LE  | N   | E   |
| CiNSR2065FC51 | 572 916 1941             | 17- 20 | BE       | GN  | N   | D   |
| CiNSR2147FC51 | 572 916 1942             | 17- 20 | AL       | EB  | N   | D   |
| CiNSZ2066FC51 | 572 916 1943             | 17- 20 | BE       | GN  | N   | D   |
| CiNSZ2148FC51 | 572 916 1944             | 17- 20 | AL       | EB  | N   | D   |
| CPAKA6127FC01 | 572 902 1616             | 17- 2  | AF       | DS  | N   | D   |
| CPLTM5711FC01 | 572 221 7704             | 4- 36  | AH       | DX  | N   | C   |
| CPLTM5716FC01 | 572 221 7705             | 11- 5  | AF       | DS  | N   | C   |
| CPLTM5732FC01 | 572 221 7706             | 6- 36  | AF       | DS  | N   | C   |
| CPLTM5736FC01 | 572 221 7707             | 16- 12 | AP       | EQ  | N   | C   |
| CPLTM5740FC01 | 572 221 7708             | 8- 28  | AE       | DJ  | N   | C   |
| CPLTM5760DS51 | 572 221 7863             | 15-502 | BR       | LX  | N   | E   |
| CPLTM5760DS52 | 572 221 7742             | 15-502 | AY       | FQ  | N   | E   |
| CPLTM5760DS53 | 572 221 7864             | 15-502 | BR       | LX  | N   | E   |
| CPLTM5872DS51 | 572 221 7822             | 9- 3   | BR       | MJ  | N   | E   |
| CPLTM5895FC01 | 572 221 7852             | 15- 2  | AD       | DJ  | N   | C   |
| CPNLH0020QS10 | 572 158 0689             | 1- 26  | AK       | DX  | N   | D   |
| CPNLH0020QS11 | 572 158 0690             | 1- 26  | AK       | DX  | N   | D   |
| CPNLH0020QS20 | 572 158 0698             | 1- 26  | AK       | DX  | N   | D   |
| CPNLH0020QS21 | 572 158 0699             | 1- 26  | AK       | DX  | N   | D   |
| CPWBF1447FCE1 | 572 684 3776             | 1- 9   | BC       | GJ  | N   | E   |
| “             | 572 684 3776             | 23-901 | BC       | GJ  | N   | E   |
| CPWBF1448DS51 | 572 684 3799             | 11- 32 | AU       | EZ  | N   | E   |
| CPWBF1457DS51 | 572 684 3777             | 15- 25 | AG       | DS  | N   | E   |
| “             | 572 684 3777             | 22-901 | AG       | DS  | N   | E   |
| CPWBF1464DS51 | 572 684 3807             | 15- 38 | BN       | LE  | N   | E   |
| “             | 572 684 3807             | 21-901 | BN       | LE  | N   | E   |
| CPWBF1464DS52 | 572 684 3800             | 15- 38 | BN       | LE  | N   | E   |
| “             | 572 684 3800             | 21-901 | BN       | LE  | N   | E   |
| CPWBF1464DS53 | 572 684 3808             | 15- 38 | BN       | LE  | N   | E   |
| “             | 572 684 3808             | 21-901 | BN       | LE  | N   | E   |
| CPWBF1465DS51 | 572 684 3809             | 13- 2  | BN       | LE  | N   | E   |
| CPWBF1481DS51 | 572 684 3778             | 2- 21  | AF       | DS  | N   | E   |
| CPWBF1490DS51 | 572 684 3779             | 3- 17  | AK       | DX  | N   | E   |
| CPWBF1490DS52 | 572 684 3780             | 2- 24  | AK       | DX  | N   | E   |
| CPWBF1502FCE1 | 572 684 3781             | 13- 2  | AZ       | FQ  | N   | E   |
| CPWBN1460DS51 | 572 684 3782             | 12- 16 | AS       | EQ  | N   | E   |
| “             | 572 684 3782             | 20-901 | AS       | EQ  | N   | E   |
| CPWBN1461FCE1 | 572 684 3783             | 15- 26 | BW       | RR  | N   | E   |
| “             | 572 684 3783             | 18-901 | BW       | RR  | N   | E   |
| CPWBN1461FCE2 | 572 684 3784             | 15- 26 | BW       | RR  | N   | E   |
| “             | 572 684 3784             | 18-901 | BW       | RR  | N   | E   |
| CPWBN1495FC51 | 572 684 3816             | 12- 34 | CP       | VC  | N   | E   |
| “             | 572 684 3816             | 19-901 | CP       | VC  | N   | E   |
| CPWBN1495FC52 | 572 684 3801             | 12- 34 | CP       | VC  | N   | E   |
| “             | 572 684 3801             | 19-901 | CP       | VC  | N   | E   |

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| CSHT-0089DS51 | 572 407 0117             | 11- 22 | BF       | GN  | N   | E   |
| CSTYM0265FC01 | 578 231 0022             | 7- 27  | AF       | DS  | N   | C   |
| CSTYM0266FC01 | 572 231 0506             | 7- 37  | AF       | DS  | N   | C   |
| 【D】           |                          |        |          |     |     |     |
| DHAi-3144FCZZ | 572 542 1891             | 15- 69 | AK       | DX  | N   | C   |
| DHAi-3145FCZZ | 572 542 1892             | 3- 19  | AE       | DJ  | N   | C   |
| DHAi-3146FCZZ | 572 542 1893             | 4- 34  | AL       | EB  | N   | C   |
| DHAi-3147FCZZ | 572 542 1894             | 4- 15  | AP       | EQ  | N   | C   |
| DHAi-3148FCZZ | 572 542 1895             | 11- 1  | AP       | EQ  | N   | C   |
| DHAi-3155FCZZ | 572 542 1896             | 6- 4   | AK       | DX  | N   | C   |
| DHAi-3156FCZZ | 572 542 1897             | 7- 8   | AT       | EZ  | N   | C   |
| DHAi-3157FCZZ | 572 542 1898             | 8- 56  | AE       | DS  | N   | C   |
| DHAi-3158FCZZ | 572 542 1899             | 8- 49  | AQ       | EQ  | N   | C   |
| DHAi-3167FCZZ | 572 542 1900             | 15- 17 | AP       | EQ  | N   | C   |
| DHAi-3169FCZZ | 572 542 1901             | 12- 29 | AT       | EZ  | N   | C   |
| DHAi-3172FCZZ | 572 542 1902             | 15- 34 | AD       | DJ  | N   | C   |
| DHAi-3175FCZZ | 572 542 1903             | 1- 7   | AC       | DJ  | N   | C   |
| DHAi-3176FCZZ | 572 542 1904             | 15- 62 | AC       | DJ  | N   | C   |
| DHAi-3177FCZZ | 572 542 1905             | 12- 10 | AD       | DJ  | N   | C   |
| DHAi-3178FCZZ | 572 542 1916             | 13- 13 | AQ       | EQ  | N   | C   |
| DHAi-3196FCZZ | 572 542 1917             | 13- 20 | AW       | FG  | N   | C   |
| DHAi-3197FCZZ | 572 542 1906             | 12- 20 | AE       | DS  | N   | C   |
| DHAi-3198FCZZ | 572 542 1918             | 13- 21 | AF       | DS  | N   | C   |
| DHAi-3199FCZZ | 572 542 1907             | 15- 31 | AP       | EQ  | N   | C   |
| DHAi-3235FCZZ | 572 542 1908             | 2- 22  | AE       | DS  | N   | C   |
| DHAi-3236FCZZ | 572 542 1909             | 14- 9  | AF       | DS  | N   | C   |
| DHAi-3252FCZZ | 572 542 1910             | 21- 1  | AE       | DJ  | N   | C   |
| DHAi-3253FCZZ | 572 542 1919             | 13- 22 | AF       | DS  | N   | C   |
| DHAi-3284FCZZ | 572 542 1911             | 15- 61 | AE       | DJ  | N   | C   |
| DHAi-3289FCZZ | 572 542 1912             | 13- 20 | AT       | EZ  | N   | C   |
| DHAi-3290FCZZ | 572 542 1913             | 13- 13 | AR       | EQ  | N   | C   |
| DHAi-3302FCZZ | 572 542 1914             | 21- 2  | AL       | EB  | N   | C   |
| DHAi-3332DS11 | 572 542 2026             | 17- 10 | BB       | GD  | N   | B   |
| DHAi-3332DS12 | 572 542 2027             | 17- 10 | BB       | GD  | N   | B   |
| DHAi-3332DS13 | 572 542 2028             | 17- 10 | BB       | GD  | N   | B   |
| DHAi-3332DS14 | 572 542 2029             | 17- 10 | BB       | GD  | N   | B   |
| DHAi-3332DSZZ | 572 542 2025             | 17- 10 | BB       | GD  | N   | B   |
| DHAi-3333FCZZ | 572 542 1944             | 8- 65  | AE       | DS  | N   | C   |
| DHAi-3333FCZZ | 572 542 1944             | 12- 53 | AE       | DS  | N   | C   |
| DUNT-7093DS11 | 572 685 2067             | 12- 21 | BS       | MW  | N   | E   |
| DUNT-7093DSZZ | 572 685 2066             | 12- 21 | BS       | MW  | N   | E   |
| DUNTW7095DS11 | 572 685 2068             | 7-901  | CC       | UB  | N   | E   |
| DUNTW7095DS12 | 572 685 2074             | 7-901  | CC       | UB  | N   | E   |
| DUNTW7095DSZZ | 572 685 2073             | 7-901  | CD       | UB  | N   | E   |
| 【G】           |                          |        |          |     |     |     |
| GCAB-0934FCZ1 | 572 107 2016             | 1- 13  | AT       | EZ  | N   | D   |
| GCAB-0935FCZZ | 572 107 2005             | 1- 14  | AL       | EB  | N   | D   |
| GCAB-0936FCZ1 | 572 107 2020             | 1- 16  | AR       | EQ  | N   | D   |
| GCAB-0937FCZZ | 572 107 2007             | 1- 17  | AK       | DX  | N   | D   |
| GCAB-0938FCZZ | 572 107 1984             | 1- 1   | AY       | FQ  | N   | D   |
| GCAB-0939FCZ1 | 572 107 2017             | 1- 20  | AK       | DX  | N   | D   |
| GCAB-0940FCZ1 | 572 107 2018             | 1- 5   | AZ       | FX  | N   | D   |
| GCAB-0941FCZ1 | 572 107 2019             | 1- 18  | AW       | FG  | N   | D   |
| GDOR-0030FCZ1 | 572 113 0064             | 2- 19  | BC       | GJ  | N   | D   |
| GLEGG0075FCZZ | 572 123 0106             | 14- 44 | AE       | DJ  | N   | D   |
| 【H】           |                          |        |          |     |     |     |
| HPNLC0243FCZZ | 572 158 0697             | 1- 11  | AP       | EQ  | N   | D   |
| 【J】           |                          |        |          |     |     |     |
| JBTN-0249FCZZ | 572 170 0504             | 1- 10  | AF       | DS  | N   | C   |
| JHNDP0001YSBZ | 572 172 0199             | 11- 19 | AC       | DJ  | N   | C   |
| JHNDP0152FCZZ | 572 172 0200             | 14- 27 | AG       | DX  | N   | C   |
| JHNDP0153FCZZ | 572 172 0198             | 11- 27 | AE       | DS  | N   | C   |
| JHNDP0155FCZZ | 572 172 0197             | 14- 39 | AF       | DS  | N   | C   |
| JHNDP0156FCZZ | 572 172 0201             | 12- 31 | AE       | DJ  | N   | C   |
| JHNDP0158FCZZ | 572 172 0202             | 1- 27  | AE       | DS  | N   | C   |
| JKNBZ0139FCZ1 | 572 174 0354             | 3- 24  | AD       | DJ  | N   | C   |
| JKNBZ0140FCZZ | 572 174 0348             | 8- 34  | AF       | DS  | N   | C   |
| 【L】           |                          |        |          |     |     |     |
| LANGK8268PAZZ | 578 200 0198             | 25- 1  | AC       | DJ  |     | C   |
| LANGT1407FCZ1 | 572 200 1449             | 2- 13  | AS       | EQ  | N   | C   |
| LANGT1408FCZZ | 572 200 1446             | 2- 37  | AL       | EB  | N   | C   |
| LANGT1409FCZZ | 572 200 1447             | 2- 32  | AL       | EB  | N   | C   |
| LBSHC0090FCZZ | 572 204 0069             | 15- 48 | AA       | DD  |     | C   |
| LBSHZ1001ACZZ | 596 204 0015             | 13- 6  | AB       | DD  |     | C   |
| LBSHZ2006SCZZ | 571 204 0002             | 13- 8  | AB       | DS  |     | C   |
| LDAIU0622FCZZ | 572 210 1177             | 6- 1   | AY       | FQ  | N   | C   |
| LDAIU0622FCZZ | 572 210 1177             | 14- 40 | AY       | FQ  | N   | C   |
| LDAIU0623FCZZ | 572 210 1178             | 14- 32 | AU       | EZ  | N   | C   |
| LDAIU0624FCZZ | 572 210 1179             | 15- 21 | AG       | DX  | N   | C   |
| LDAIU0626FCZ1 | 572 210 1188             | 8- 14  | AG       | DX  | N   | C   |
| LFIX-0441FCZZ | 572 211 0500             | 7- 50  | AB       | DD  |     | C   |

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| LFI X-0442FCZZ | 572 211 0501             | 7- 19  | AB       | DD  |     | C   |
| LFRM-1016FCZZ  | 572 213 2140             | 4- 31  | BA       | FX  | N   | C   |
| LFRM-1020FCZ1  | 572 213 2157             | 8- 21  | AZ       | FX  | N   | C   |
| LFRM-1021FCZ1  | 572 213 2151             | 8- 54  | AL       | EB  | N   | C   |
| LHLDZ1006FCZZ  | 579 214 0097             | 15- 40 | AB       | DD  |     | C   |
| LHLDW1006FCZZ  | 578 214 0007             | 4- 81  | AA       | DD  |     | C   |
| "              | 578 214 0007             | 12- 41 | AA       | DD  |     | C   |
| "              | 578 214 0007             | 14- 35 | AA       | DD  |     | C   |
| "              | 578 214 0007             | 15- 7  | AA       | DD  |     | C   |
| LHLDW1226FCZZ  | 572 214 1450             | 16- 4  | AB       | DJ  |     | C   |
| "              | 572 214 1450             | 17- 9  | AB       | DJ  |     | C   |
| LHLDW1263FCZZ  | 572 214 1529             | 15- 35 | AC       | DJ  |     | C   |
| LHLDZ1377FCZZ  | 572 214 1795             | 16- 8  | AD       | DJ  |     | C   |
| LHLDZ1439FCZZ  | 572 214 2133             | 2- 11  | AC       | DJ  | N   | C   |
| LHLDZ1449FCZZ  | 572 214 2178             | 15- 43 | AH       | DX  | N   | C   |
| LHLDZ1455FCZZ  | 572 214 2179             | 14- 48 | AD       | DJ  | N   | C   |
| LHLDZ1470FCZZ  | 572 214 2183             | 9- 5   | AD       | DJ  | N   | C   |
| LHLDZ1471FCZZ  | 572 214 2184             | 9- 10  | AC       | DJ  | N   | C   |
| LHLDZ1473FCZZ  | 572 214 2136             | 10- 46 | AC       | DD  | N   | C   |
| LHLDZ1474FCZ1  | 572 214 2137             | 5- 12  | AM       | EG  | N   | C   |
| LHLDZ1482FCZ3  | 572 214 2196             | 5- 1   | AF       | DS  | N   | C   |
| LPFTF0107FCZZ  | 572 217 0121             | 10- 35 | AK       | DX  | N   | C   |
| LPFTF0108FCZZ  | 572 217 0122             | 10- 36 | AK       | DX  | N   | C   |
| LPINS0096FCZZ  | 572 218 0079             | 4- 11  | AB       | DD  |     | C   |
| LPINS0133FCZZ  | 572 218 0086             | 4- 80  | AA       | DD  |     | C   |
| LPINS0155FCZZ  | 572 218 0052             | 3- 6   | AA       | DD  |     | C   |
| "              | 572 218 0052             | 4- 75  | AA       | DD  |     | C   |
| LPINS0265FCZZ  | 572 218 0347             | 8- 27  | AB       | DJ  |     | C   |
| LPINS0320FCZZ  | 572 218 0546             | 2- 30  | AB       | DJ  |     | C   |
| LPINS0325FCZZ  | 572 218 0588             | 3- 26  | AB       | DJ  | N   | C   |
| LPINS0329FCZZ  | 572 218 0600             | 6- 27  | AB       | DJ  | N   | C   |
| LPINS0330FCZZ  | 572 218 0601             | 4- 74  | AB       | DJ  | N   | C   |
| LPINS7062SCZZ  | 577 218 0001             | 16- 15 | AA       | DD  |     | C   |
| LPLTM5422FCZZ  | 572 221 6718             | 11- 29 | AC       | DJ  |     | C   |
| LPLTM5706FCZZ  | 572 221 7734             | 23- 1  | AC       | DJ  | N   | C   |
| LPLTM5707FCZZ  | 572 221 7853             | 14- 47 | AU       | EZ  | N   | C   |
| "              | 572 221 7853             | 15- 49 | AU       | EZ  | N   | C   |
| LPLTM5709FCZZ  | 572 221 7709             | 15- 8  | AD       | DJ  | N   | C   |
| LPLTM5710FCZZ  | 572 221 7710             | 14- 30 | AF       | DS  | N   | C   |
| LPLTM5712FCZZ  | 572 221 7711             | 4- 10  | AE       | DJ  | N   | C   |
| LPLTM5713FCZZ  | 572 221 7712             | 4- 13  | AC       | DJ  | N   | C   |
| LPLTM5714FCZZ  | 572 221 7735             | 4- 30  | AB       | DJ  | N   | C   |
| "              | 572 221 7735             | 10- 7  | AB       | DJ  | N   | C   |
| LPLTM5715FCZZ  | 572 221 7713             | 11- 35 | AC       | DJ  | N   | C   |
| LPLTM5729FCZZ  | 572 221 7854             | 12- 24 | AT       | EZ  | N   | C   |
| LPLTM5735FCZZ  | 572 221 7714             | 16- 1  | AR       | EQ  | N   | C   |
| LPLTM5737FCZZ  | 572 221 7715             | 7- 12  | AD       | DJ  | N   | C   |
| LPLTM5738FCZZ  | 572 221 7716             | 7- 17  | AD       | DJ  | N   | C   |
| LPLTM5739FCZZ  | 572 221 7717             | 7- 14  | AD       | DJ  | N   | C   |
| LPLTM5755FCZZ  | 578 221 0672             | 15- 57 | AR       | EQ  | N   | C   |
| LPLTM5756FCZZ  | 572 221 7718             | 13- 14 | AY       | FQ  | N   | C   |
| LPLTM5758FCZZ  | 572 221 7719             | 12- 17 | AK       | DX  | N   | C   |
| LPLTM5760FCZZ  | 572 221 7720             | 15- 36 | AL       | EB  | N   | C   |
| LPLTM5761FCZZ  | 572 221 7721             | 15- 15 | AG       | DX  | N   | C   |
| LPLTM5762FCZZ  | 572 221 7722             | 4- 49  | AC       | DJ  | N   | C   |
| LPLTM5766FCZZ  | 572 221 7793             | 13- 10 | AE       | DJ  | N   | C   |
| LPLTM5767FCZ1  | 572 221 7736             | 12- 28 | AE       | DJ  | N   | C   |
| LPLTM5768FCZZ  | 572 221 7723             | 12- 19 | AM       | EG  | N   | C   |
| LPLTM5769FCZZ  | 572 221 7737             | 12- 23 | AP       | EQ  | N   | C   |
| LPLTM5775FCZZ  | 572 221 7738             | 14- 13 | AC       | DJ  | N   | C   |
| LPLTM5873FCZZ  | 572 221 7724             | 9- 9   | AG       | DX  | N   | C   |
| LPLTM5875FCZ1  | 572 221 7739             | 5- 2   | AK       | DX  | N   | C   |
| LPLTM5876FCZZ  | 572 221 7725             | 11- 16 | AS       | EQ  | N   | C   |
| LPLTM5921FCZ1  | 572 221 7825             | 8- 2   | AQ       | EQ  | N   | C   |
| LPLTM5922FCZ1  | 572 221 7740             | 12- 35 | AH       | DX  | N   | C   |
| LPLTM5925FCZZ  | 572 221 7727             | 5- 5   | AQ       | EQ  | N   | C   |
| LPLTM5926FCZ1  | 572 221 7728             | 5- 13  | AS       | EQ  | N   | C   |
| LPLTM5937FCZZ  | 572 221 7729             | 1- 22  | AS       | EQ  | N   | C   |
| LPLTM5941FCZZ  | 578 221 0673             | 13- 7  | AF       | DS  | N   | C   |
| LPLTM5942FCZ1  | 572 221 7855             | 13- 16 | AG       | DS  | N   | C   |
| LPLTM5943FCZZ  | 572 221 7731             | 8- 1   | AF       | DS  | N   | C   |
| LPLTP5413FCWZ  | 572 221 7826             | 16- 3  | AE       | DS  | N   | C   |
| LPLTP5733FCZZ  | 572 221 7732             | 16- 19 | AH       | DX  | N   | C   |
| LPLTP5734FCZZ  | 572 221 7733             | 16- 22 | AG       | DX  | N   | C   |
| LRALM0180FCZ1  | 572 223 0280             | 10- 4  | AM       | EG  | N   | C   |
| LRALM0180FCZ2  | 572 223 0281             | 10- 4  | AM       | EG  | N   | C   |
| LRALM0180FCZZ  | 572 223 0274             | 10- 4  | AM       | EG  | N   | C   |
| LRALP0185FCZZ  | 572 223 0277             | 6- 21  | AQ       | EQ  | N   | C   |
| LRALP0186FCZZ  | 572 223 0278             | 14- 36 | AX       | FG  | N   | C   |
| LSTPF0172FCZZ  | 572 230 0213             | 7- 44  | AA       | DD  |     | C   |
| LSTYM0256FCZZ  | 572 231 0507             | 2- 18  | AN       | EG  | N   | C   |

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| LSTYM0257FCZ1  | 572 231 0520             | 2- 33  | AL       | EB  | N   | C   |
| LSTYM0258FCZZ  | 572 231 0509             | 2- 7   | AG       | DS  | N   | C   |
| LSTYM0259FCZZ  | 572 231 0510             | 2- 8   | AD       | DJ  | N   | C   |
| LSTYM0260FCZZ  | 572 231 0511             | 3- 31  | AK       | EB  | N   | C   |
| LSTYM0267FCZZ  | 572 231 0513             | 7- 20  | AE       | DS  | N   | C   |
| LSTYM0268FCZZ  | 572 231 0514             | 7- 18  | AE       | DS  | N   | C   |
| LSUPP0115FCZZ  | 572 233 0140             | 13- 17 | AB       | DJ  |     | C   |
| LSUPP0118FCZZ  | 572 233 0143             | 13- 4  | AB       | DJ  |     | C   |
| LSUPP1001ACZZ  | 596 233 0001             | 15- 39 | AB       | DD  |     | C   |
| LX-BZ0033GCZZ  | 578 970 0189             | 4- 84  | AC       | DD  |     | C   |
| LX-BZ0147FCZZ  | 572 970 0160             | 2- 3   | AB       | DD  |     | C   |
| LX-BZ0241PAZZ  | 571 970 0847             | 25- 2  | AA       | DD  |     | C   |
| LX-BZ0254PAZZ  | 595 970 0584             | 25- 3  | AB       | DD  |     | C   |
| LX-BZ0256PAZZ  | 578 970 0217             | 25- 4  | AB       | DD  |     | C   |
| LX-BZ0273PAZZ  | 595 970 0585             | 25- 98 | AB       | DD  |     | C   |
| LX-BZ0422PAZZ  | 578 970 0218             | 25- 5  | AB       | DD  |     | C   |
| LX-BZ0465FCWZ  | 572 970 2268             | 2- 46  | AA       | DD  | N   | C   |
| LX-BZ0576FCZZ  | 572 970 1432             | 4- 70  | AC       | DJ  |     | C   |
| LX-BZ0589FCZZ  | 572 970 0140             | 3- 38  | AA       | DD  |     | C   |
| LX-BZ0656FCZZ  | 572 970 1247             | 10- 26 | AD       | DJ  |     | C   |
| LX-BZ0670FCZZ  | 572 970 1361             | 4- 25  | AC       | DD  |     | C   |
| LX-BZ0788FCZZ  | 572 970 1688             | 4- 67  | AC       | DD  |     | C   |
| LX-BZ0817FCZZ  | 572 970 1762             | 14- 20 | AA       | DD  |     | C   |
| LX-BZ0828FCZZ  | 572 970 1813             | 12- 36 | AD       | DJ  |     | C   |
| LX-BZ0833FCZZ  | 572 970 1816             | 14- 43 | AC       | DD  |     | C   |
| LX-BZ0837FCZZ  | 572 970 1923             | 6- 19  | AC       | DD  |     | C   |
| "              | 572 970 1923             | 14- 33 | AC       | DD  |     | C   |
| LX-BZ0845FCZZ  | 572 970 1901             | 4- 6   | AC       | DD  |     | C   |
| LX-BZ0859FCZZ  | 572 970 1982             | 9- 6   | AC       | DD  |     | C   |
| LX-BZ0884FCZZ  | 572 970 1964             | 16- 23 | AB       | DD  |     | C   |
| LX-BZ0901FCZZ  | 572 970 2269             | 15- 70 | AC       | DD  | N   | C   |
| LX-BZ0905FCZZ  | 572 970 2270             | 7- 7   | AB       | DD  | N   | C   |
| LX-BZ0906FCZZ  | 572 970 2271             | 7- 31  | AC       | DD  | N   | C   |
| LX-BZ0909FCZZ  | 572 970 2272             | 1- 2   | AC       | DD  | N   | C   |
| LX-BZ0916FCZZ  | 572 970 2273             | 6- 32  | AA       | DD  | N   | C   |
| LX-BZ0922FCZZ  | 572 970 2274             | 12- 30 | AC       | DD  | N   | C   |
| LX-BZ0932FCZZ  | 572 970 2275             | 15- 19 | AC       | DD  | N   | C   |
| LX-BZ0937FCZZ  | 572 970 2276             | 8- 51  | AB       | DD  | N   | C   |
| LX-BZ3008SC0S  | 572 970 1408             | 7- 2   | AA       | DD  |     | C   |
| LX-NZ0094FCZZ  | 572 980 0123             | 7- 13  | AC       | DD  | N   | C   |
| LX-WZ0017FCZZ  | 572 990 0198             | 4- 89  | AA       | DD  |     | C   |
| LX-WZ0028FCZZ  | 572 990 0204             | 2- 28  | AA       | DD  |     | C   |
| LX-WZ0070FCZZ  | 572 990 0167             | 3- 39  | AA       | DD  |     | C   |
| "              | 572 990 0167             | 4- 88  | AA       | DD  |     | C   |
| 【M】            |                          |        |          |     |     |     |
| MARMP0252FCZZ  | 572 240 0313             | 15- 24 | AD       | DJ  |     | C   |
| MARMP0258FCZZ  | 572 240 0412             | 11- 42 | AD       | DJ  | N   | C   |
| MARMP0259FCZZ  | 572 240 0413             | 6- 34  | AC       | DJ  | N   | C   |
| MJNTP0004GCZZ  | 578 247 0007             | 17- 11 | AH       | DX  |     | C   |
| MLEVP0788FCZ1  | 572 248 1359             | 7- 34  | AF       | DS  | N   | C   |
| MLEVP0789FCZ1  | 572 248 1360             | 7- 38  | AF       | DS  | N   | C   |
| MLEVP0754FCZZ  | 572 248 1063             | 16- 2  | AF       | DS  |     | C   |
| MLEVP0755FCZ1  | 572 248 1206             | 16- 17 | AE       | DJ  |     | C   |
| MLEVP0779FCZZ  | 572 248 1307             | 14- 24 | AC       | DJ  | N   | C   |
| MLEVP0780FCZZ  | 572 248 1308             | 14- 21 | AC       | DJ  | N   | C   |
| MLEVP0781FCZZ  | 572 248 1309             | 2- 15  | AD       | DJ  | N   | C   |
| MLEVP0782FCBZ  | 572 248 1326             | 10- 22 | AC       | DJ  | N   | C   |
| MLEVP0783FCZZ  | 572 248 1310             | 11- 25 | AD       | DJ  | N   | C   |
| MLEVP0785FCZZ  | 572 248 1327             | 6- 5   | AE       | DJ  | N   | C   |
| MLEVP0786FCZZ  | 572 248 1311             | 7- 30  | AC       | DD  | N   | C   |
| MLEVP0787FCZZ  | 572 248 1312             | 7- 40  | AC       | DD  | N   | C   |
| MLEVP0790FCZ1  | 572 248 1350             | 7- 28  | AE       | DJ  | N   | C   |
| MLEVP0791FCZ1  | 572 248 1351             | 7- 39  | AE       | DJ  | N   | C   |
| MLEVP0792FCZ1  | 572 248 1344             | 8- 8   | AD       | DJ  | N   | C   |
| MLEVP0793FCZZ  | 572 248 1331             | 8- 22  | AE       | DJ  | N   | C   |
| MLEVP0828FCZZ  | 572 248 1339             | 8- 6   | AD       | DJ  | N   | C   |
| MLEVP0831FCZZ  | 572 248 1340             | 15- 4  | AC       | DJ  | N   | C   |
| MLEVP0832FCZZ  | 572 248 1341             | 10- 1  | AF       | DS  | N   | C   |
| MLEVP0838FCZZ  | 572 248 1342             | 8- 7   | AC       | DJ  | N   | C   |
| MSL i-0139FCZZ | 572 256 0179             | 14- 18 | AR       | EQ  | N   | C   |
| "              | 572 256 0179             | 15- 1  | AR       | EQ  | N   | C   |
| MSPRC0024QSZZ  | 572 258 3129             | 15- 45 | AA       | DJ  |     | C   |
| MSPRC2616FCZZ  | 572 258 2929             | 4- 4   | AC       | DJ  |     | C   |
| MSPRC2631FCZZ  | 572 258 2943             | 16- 18 | AC       | DJ  |     | C   |
| MSPRC2641FCZ1  | 572 258 3035             | 16- 5  | AB       | DJ  |     | C   |
| MSPRC2644FCZZ  | 572 258 2955             | 15- 51 | AB       | DJ  |     | C   |
| MSPRC2671FCZZ  | 572 258 2972             | 15- 52 | AB       | DJ  |     | C   |
| MSPRC2835FCZZ  | 572 258 3741             | 2- 12  | AC       | DJ  | N   | C   |
| MSPRC2840FCZZ  | 572 258 3742             | 3- 14  | AC       | DJ  | N   | C   |
| MSPRC2841FCZ2  | 572 258 3863             | 3- 25  | AC       | DJ  | N   | C   |
| MSPRC2842FCZZ  | 572 258 3744             | 10- 23 | AC       | DJ  | N   | C   |

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| MSPRC2851FCZZ | 572 258 3745             | 16- 16 | AB       | DJ  | N   | C   |
| MSPRC2854FCZZ | 572 258 3746             | 7- 36  | AC       | DJ  | N   | C   |
| MSPRC2857FCZZ | 572 258 3747             | 8- 30  | AA       | DJ  | N   | C   |
| MSPRC2875FCZZ | 572 258 3748             | 11- 26 | AC       | DJ  | N   | C   |
| MSPRC2953FCZZ | 572 258 3749             | 2- 6   | AB       | DJ  | N   | C   |
| MSPRC2954FCZZ | 572 258 3750             | 10- 47 | AA       | DJ  | N   | C   |
| MSPRC2955FCZZ | 572 258 3751             | 5- 11  | AB       | DJ  | N   | C   |
| MSPRC2961FCZZ | 572 258 3752             | 10- 53 | AB       | DJ  | N   | C   |
| MSPRC2962FCZZ | 572 258 3753             | 15- 18 | AA       | DJ  | N   | C   |
| MSPRC3000FCZZ | 572 258 3754             | 5- 7   | AC       | DJ  | N   | C   |
| MSPRC3010FCZZ | 572 258 3755             | 10- 16 | AB       | DJ  | N   | C   |
| MSPRC3012FCZZ | 572 258 3756             | 6- 30  | AC       | DJ  | N   | C   |
| MSPRC3027FCZZ | 572 258 3864             | 4- 90  | AC       | DJ  |     | C   |
| MSPRD2838FCZZ | 572 258 3757             | 2- 34  | AC       | DJ  | N   | C   |
| MSPRD2850FCZZ | 572 258 3758             | 6- 35  | AE       | DJ  | N   | C   |
| MSPRD2853FCZZ | 572 258 3759             | 7- 42  | AB       | DJ  | N   | C   |
| MSPRD2855FCZZ | 572 258 3760             | 8- 61  | AB       | DJ  | N   | C   |
| MSPRD2856FCZZ | 572 258 3761             | 8- 63  | AB       | DJ  | N   | C   |
| MSPRD2859FCZZ | 572 258 3762             | 8- 50  | AE       | DJ  | N   | C   |
| MSPRD2876FCZZ | 572 258 3763             | 11- 41 | AC       | DJ  | N   | C   |
| MSPRD2956FCZZ | 572 258 3764             | 11- 24 | AB       | DJ  | N   | C   |
| MSPRP1293FCZZ | 572 258 0086             | 4- 24  | AB       | DD  |     | C   |
| MSPRP1550FCZZ | 572 258 0472             | 3- 18  | AA       | DD  |     | C   |
| MSPRP2823FCZZ | 572 258 3773             | 4- 33  | AD       | DJ  | N   | C   |
| MSPRP2963FCZZ | 578 258 0699             | 14- 46 | AC       | DJ  | N   | C   |
| MSPRP3016FCZZ | 572 258 3877             | 12- 48 | AR       | EQ  | N   | C   |
| MSPRT2834FCZZ | 572 258 3765             | 14- 29 | AD       | DJ  | N   | C   |
| MSPRT2836FCZZ | 572 258 3766             | 2- 48  | AC       | DJ  | N   | C   |
| MSPRT2839FCZZ | 572 258 3767             | 3- 2   | AF       | DS  | N   | C   |
| MSPRT2849FCZZ | 572 258 3768             | 6- 38  | AC       | DJ  | N   | C   |
| MSPRT2852FCZZ | 572 258 3769             | 7- 4   | AB       | DJ  | N   | C   |
| MSPRT2858FCZZ | 572 258 3770             | 8- 29  | AC       | DJ  | N   | C   |
| MSPRT2957FCZZ | 572 258 3771             | 7- 51  | AC       | DJ  | N   | C   |
| MSPRT3028FCZZ | 572 258 3900             | 7- 54  | AD       | DJ  | N   | C   |
| 【N】           |                          |        |          |     |     |     |
| NBLTH0239FCZZ | 572 271 0408             | 6- 11  | AF       | DX  |     | C   |
| NBLTH0327FCZZ | 572 271 0703             | 8- 38  | AN       | EG  | N   | C   |
| NBLTH0350FCZZ | 572 271 0711             | 8- 47  | AH       | DX  | N   | C   |
| NBRGC0190FCZ1 | 572 272 0497             | 4- 17  | AD       | DJ  |     | C   |
| NBRGC0286FCZZ | 572 272 0107             | 3- 3   | AC       | DD  |     | C   |
| NBRGC0387FCZ1 | 572 272 0471             | 4- 8   | AC       | DJ  |     | C   |
| “             | 572 272 0471             | 6- 29  | AC       | DJ  |     | C   |
| “             | 572 272 0471             | 8- 17  | AC       | DJ  |     | C   |
| NBRGC0504FCZZ | 572 272 0467             | 8- 18  | AC       | DJ  |     | C   |
| NBRGC0641FCZZ | 572 272 0781             | 4- 73  | AD       | DJ  | N   | C   |
| NBRGP0322FCZZ | 572 272 0156             | 10- 20 | AC       | DD  |     | C   |
| NBRGP0642FCZZ | 572 272 0778             | 10- 12 | AE       | DS  | N   | C   |
| NBRGP0654FCZZ | 572 272 0789             | 10- 54 | AC       | DJ  | N   | C   |
| NBRGP0655FCZZ | 572 272 0782             | 5- 9   | AD       | DJ  | N   | C   |
| NBRGP0656FCZZ | 572 272 0783             | 5- 18  | AD       | DJ  | N   | C   |
| NBRGP0666FCZZ | 572 272 0779             | 3- 23  | AC       | DJ  | N   | C   |
| NBRGP0670FCZZ | 572 272 0795             | 7- 53  | AD       | DJ  | N   | C   |
| NBRGY0093FCZZ | 572 272 0207             | 4- 82  | AK       | EB  |     | C   |
| “             | 572 272 0207             | 7- 24  | AK       | EB  |     | C   |
| NBRGY0131FCZZ | 572 272 0216             | 8- 41  | AM       | EG  |     | C   |
| NBRGY0627FCZZ | 572 272 0679             | 4- 22  | AK       | EB  |     | C   |
| NBRGY0646FCZZ | 572 272 0784             | 7- 45  | BE       | GN  | N   | C   |
| NCPL-0033FCZ1 | 572 274 0039             | 3- 37  | AC       | DJ  |     | C   |
| NCPL-0045FCZZ | 572 274 0070             | 15- 47 | AC       | DJ  | N   | C   |
| NCPL-0046FCZZ | 572 274 0067             | 4- 5   | AC       | DD  | N   | C   |
| NCPL-0047FCZZ | 572 274 0063             | 6- 31  | AC       | DJ  | N   | C   |
| NCPL-0048FCZZ | 572 274 0064             | 4- 20  | AK       | DX  | N   | C   |
| NCPL-0049FCZZ | 572 274 0068             | 6- 14  | AH       | DX  | N   | C   |
| NCPL-0050FCZZ | 572 274 0065             | 10- 41 | AB       | DJ  | N   | C   |
| NCPL-0054FCZZ | 572 274 0066             | 4- 19  | AE       | DJ  | N   | C   |
| NFANP0062FCZZ | 572 277 0103             | 12- 12 | AX       | FG  | N   | B   |
| NFANP0063FCZZ | 572 277 0104             | 2- 27  | AW       | FG  | N   | B   |
| “             | 572 277 0104             | 8- 5   | AW       | FG  | N   | B   |
| “             | 572 277 0104             | 12- 5  | AW       | FG  | N   | B   |
| “             | 572 277 0104             | 14- 1  | AW       | FG  | N   | B   |
| NGERH0037QSZZ | 572 281 1774             | 10- 30 | AC       | DJ  |     | C   |
| NGERH0038QSZZ | 572 281 1775             | 10- 29 | AC       | DJ  |     | C   |
| NGERH0039QSZZ | 572 281 1776             | 10- 21 | AE       | DS  |     | C   |
| NGERH0111FCWZ | 572 281 2095             | 8- 43  | AD       | DJ  | N   | C   |
| NGERH0193FCZZ | 572 281 0318             | 16- 21 | AB       | DD  |     | C   |
| NGERH0349FCZZ | 572 281 0557             | 4- 53  | AC       | DD  |     | C   |
| NGERH0457FCZZ | 572 281 0266             | 4- 55  | AC       | DD  |     | C   |
| NGERH1240FCZZ | 572 281 1583             | 4- 12  | AD       | DJ  |     | C   |
| NGERH1357FCZZ | 572 281 2107             | 4- 58  | AD       | DJ  | N   | C   |
| NGERH1359FCZZ | 572 281 2108             | 4- 66  | AD       | DJ  | N   | C   |
| NGERH1363FCZZ | 572 281 2096             | 4- 16  | AC       | DJ  | N   | C   |

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| NGERH1369FCZZ | 572 281 2097             | 10- 18 | AC       | DJ  | N   | C   |
| NGERH1371FCZZ | 572 281 2109             | 11- 8  | AC       | DD  | N   | C   |
| NGERH1373FCZZ | 572 281 2110             | 11- 12 | AD       | DD  | N   | C   |
| NGERH1374FCZZ | 572 281 2111             | 11- 11 | AC       | DD  | N   | C   |
| NGERH1378FCZZ | 572 281 2112             | 16- 14 | AD       | DJ  | N   | C   |
| NGERH1379FCZZ | 572 281 2098             | 15- 20 | AC       | DJ  | N   | C   |
| NGERH1380FCZZ | 572 281 2113             | 7- 47  | AQ       | EQ  | N   | C   |
| NGERH1383FCZZ | 572 281 2099             | 8- 26  | AD       | DJ  | N   | C   |
| NGERH1384FCZZ | 572 281 2100             | 8- 16  | AC       | DJ  | N   | C   |
| NGERH1398FCZZ | 572 281 2114             | 8- 25  | AL       | EB  | N   | C   |
| NGERH1413FCZZ | 572 281 2101             | 4- 41  | AM       | EG  | N   | C   |
| NGERH1414FCZZ | 572 281 2115             | 4- 61  | AC       | DD  | N   | C   |
| NGERH1415FCZZ | 572 281 2102             | 4- 42  | AN       | EG  | N   | C   |
| NGERH1416FCZZ | 572 281 2103             | 4- 39  | AE       | DJ  | N   | C   |
| NGERH1417FCZZ | 572 281 2116             | 10- 3  | AC       | DD  | N   | C   |
| NGERH1418FCZZ | 572 281 2117             | 10- 5  | AC       | DD  | N   | C   |
| NGERH1419FCZZ | 572 281 2118             | 5- 15  | AK       | DX  | N   | C   |
| NGERH1421FCZZ | 572 281 2121             | 8- 37  | AH       | DX  | N   | C   |
| NGERH1429FCZZ | 572 281 2104             | 4- 43  | AE       | DS  | N   | C   |
| NGERH1446FCZZ | 572 281 2105             | 4- 57  | AN       | EG  | N   | C   |
| NGERH1447FCZZ | 572 281 2122             | 8- 44  | AH       | DX  | N   | C   |
| NGERH1474FCZZ | 572 281 2119             | 3- 5   | AC       | DD  | N   | C   |
| NGERH1475FCZZ | 572 281 2120             | 3- 4   | AC       | DD  | N   | C   |
| NPLYZ0283FCZZ | 572 284 0496             | 4- 51  | AC       | DJ  |     | C   |
| NPLYZ0365FCZZ | 572 284 0788             | 6- 9   | AC       | DJ  | N   | C   |
| NPLYZ0373FCZZ | 572 284 0790             | 6- 16  | AH       | DX  | N   | C   |
| NPLYZ0385FCZZ | 572 284 0789             | 8- 40  | AD       | DJ  | N   | C   |
| NRÖLi1314FCZZ | 572 287 2160             | 7- 22  | BG       | GT  | N   | C   |
| NRÖLM1309FCZZ | 572 287 2173             | 11- 15 | BR       | LX  | N   | C   |
| NRÖLM1387FCZZ | 572 287 2239             | 7- 52  | AL       | EB  | N   | C   |
| NRÖLP1294FCZZ | 572 287 2171             | 11- 17 | AR       | EQ  | N   | C   |
| NRÖLP1295FCZZ | 572 287 2172             | 11- 18 | AR       | EQ  | N   | C   |
| NRÖLP1296FCZZ | 572 287 2210             | 8- 11  | AC       | DJ  | N   | C   |
| NRÖLP1302FCZZ | 572 287 2161             | 3- 1   | AX       | FG  | N   | C   |
| NRÖLP1354FCZZ | 572 287 2162             | 10- 38 | AG       | DX  | N   | C   |
| NRÖLR1303FCZZ | 572 287 2163             | 3- 8   | AY       | FQ  | N   | C   |
| NRÖLR1304FCZZ | 572 287 2164             | 3- 30  | AP       | EQ  | N   | C   |
| NRÖLR1311FCZZ | 572 287 2165             | 6- 12  | AN       | EG  | N   | C   |
| NRÖLR1312FCZZ | 572 287 2166             | 6- 10  | AN       | EG  | N   | C   |
| NRÖLR1315FCZ1 | 572 287 2229             | 8- 15  | AN       | EQ  | N   | C   |
| NRÖLR1316FCZ1 | 572 287 2174             | 8- 20  | BA       | FX  | N   | C   |
| NRÖLR1355FCZ1 | 572 287 2169             | 5- 8   | AZ       | FQ  | N   | C   |
| NRÖLT1313FCZZ | 572 287 2170             | 7- 46  | BE       | GN  | N   | C   |
| NSFTZ2570FCZZ | 572 290 2713             | 14- 31 | AE       | DJ  | N   | C   |
| NSFTZ2571FCZZ | 572 290 2714             | 14- 28 | AE       | DJ  | N   | C   |
| NSFTZ2572FCZZ | 572 290 2715             | 2- 31  | AH       | DX  | N   | C   |
| NSFTZ2573FCZ1 | 572 290 2703             | 3- 15  | AG       | DX  | N   | C   |
| NSFTZ2574FCZZ | 572 290 2716             | 4- 54  | AF       | DS  | N   | C   |
| NSFTZ2575FCZZ | 572 290 2704             | 4- 63  | AF       | DS  | N   | C   |
| NSFTZ2576FCZZ | 572 290 2717             | 4- 71  | AF       | DS  | N   | C   |
| NSFTZ2577FCZZ | 572 290 2718             | 4- 56  | AL       | EB  | N   | C   |
| NSFTZ2578FCZZ | 572 290 2719             | 4- 83  | AN       | EG  | N   | C   |
| NSFTZ2579FCZZ | 572 290 2720             | 4- 44  | AE       | DS  | N   | C   |
| NSFTZ2580FCZZ | 572 290 2721             | 4- 40  | AK       | DX  | N   | C   |
| NSFTZ2581FCZZ | 572 290 2722             | 4- 52  | AE       | DS  | N   | C   |
| NSFTZ2583FCZZ | 572 290 2705             | 4- 62  | AF       | DS  | N   | C   |
| NSFTZ2584FCZZ | 572 290 2723             | 4- 2   | AG       | DX  | N   | C   |
| NSFTZ2585FCZZ | 572 290 2724             | 4- 38  | AG       | DX  | N   | C   |
| NSFTZ2589FCZZ | 572 290 2725             | 6- 28  | AL       | EB  | N   | C   |
| NSFTZ2590FCZZ | 572 290 2726             | 6- 15  | AH       | DX  | N   | C   |
| NSFTZ2591FCZZ | 572 290 2727             | 6- 8   | AF       | DS  | N   | C   |
| NSFTZ2593FCZZ | 572 290 2706             | 8- 12  | AF       | DS  | N   | C   |
| NSFTZ2594FCZZ | 572 290 2728             | 8- 31  | AP       | EQ  | N   | C   |
| NSFTZ2595FCZZ | 572 290 2729             | 8- 33  | AN       | EG  | N   | C   |
| NSFTZ2596FCZZ | 572 290 2730             | 8- 45  | AG       | DX  | N   | C   |
| NSFTZ2597FCZZ | 572 290 2731             | 8- 42  | AE       | DS  | N   | C   |
| NSFTZ2598FCZZ | 572 290 2732             | 8- 36  | AG       | DS  | N   | C   |
| NSFTZ2677FCZZ | 578 290 0210             | 14- 19 | AL       | EB  | N   | C   |
| NSRW-0032FCZZ | 572 292 0048             | 10- 34 | AG       | DX  | N   | C   |
| NSRW-0033FCZZ | 572 292 0049             | 10- 13 | AD       | DJ  | N   | C   |
| 【P】           |                          |        |          |     |     |     |
| PBOX-0125FCZZ | 572 307 0461             | 11- 37 | AU       | EZ  | N   | D   |
| PBOX-0127FCZ1 | 572 307 0464             | 12- 11 | AQ       | EQ  | N   | D   |
| PBRSS0208FCZZ | 572 310 0345             | 8- 62  | AH       | DX  | N   | C   |
| PCAPH0004YSZZ | 572 312 0055             | 11- 53 | AC       | DJ  |     | D   |
| PCAPH0010GCZZ | 578 312 0023             | 19- 1  | AD       | DJ  |     | D   |
| PCASZ0295FCZZ | 572 315 0199             | 9- 2   | AP       | EQ  | N   | D   |
| PCLC-0296FCZZ | 572 316 0389             | 4- 64  | AX       | FG  | N   | C   |
| PCLC-0297FCZZ | 572 316 0390             | 4- 60  | AU       | FG  | N   | C   |
| PCLC-0298FCZZ | 572 316 0391             | 4- 59  | AT       | EZ  | N   | C   |
| PCLC-0299FCZZ | 572 316 0392             | 6- 13  | AP       | EQ  | N   | C   |

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| PCLR-0441FCZZ | 572 318 0490             | 6- 20  | AK       | DX  |     | C   |
| /"            | 572 318 0490             | 14- 34 | AK       | DX  |     | C   |
| PCLR-0460FCZZ | 572 318 0571             | 3- 13  | AC       | DJ  | N   | C   |
| /"            | 572 318 0571             | 8- 32  | AC       | DJ  | N   | C   |
| PCLR-0461FCZZ | 572 318 0572             | 3- 29  | AC       | DJ  | N   | C   |
| PCLR-0462FCZZ | 572 318 0569             | 8- 24  | AE       | DJ  | N   | C   |
| PCLR-0468FCZ1 | 572 318 0575             | 5- 10  | AC       | DJ  | N   | C   |
| PCÖVP1468FCZZ | 572 323 1745             | 19- 2  | AD       | DJ  |     | C   |
| PCÖVP1528FCZZ | 572 323 2131             | 14- 15 | AK       | DX  | N   | C   |
| PCÖVP1529FCZZ | 572 323 2132             | 14- 17 | AQ       | EQ  | N   | C   |
| PCÖVP1531FCZZ | 572 323 2133             | 2- 20  | AK       | DX  | N   | C   |
| PCÖVP1534FCZZ | 572 323 2110             | 4- 46  | AX       | FG  | N   | C   |
| PCÖVP1538FCZZ | 572 323 2111             | 11- 3  | AF       | DS  | N   | C   |
| PCÖVP1543FCZZ | 572 323 2134             | 6- 3   | AF       | DS  | N   | C   |
| PCÖVP1545FCZZ | 572 323 2147             | 16- 11 | AL       | EB  | N   | C   |
| PCÖVP1546FCZZ | 572 323 2112             | 7- 11  | AZ       | FX  | N   | C   |
| PCÖVP1547FCZZ | 572 323 2113             | 7- 33  | AY       | FQ  | N   | C   |
| PCÖVP1554FCZZ | 572 323 2135             | 1- 23  | AE       | DS  | N   | C   |
| PCÖVP1555FCZZ | 572 323 2108             | 12- 9  | AE       | DS  | N   | C   |
| PCÖVP1557FCZZ | 578 323 0233             | 12- 38 | AC       | DJ  | N   | C   |
| PCÖVP1567FCZZ | 572 323 2114             | 2- 26  | AC       | DD  | N   | C   |
| PCÖVP1589FCZZ | 572 323 2138             | 10- 9  | AG       | DS  | N   | C   |
| PCÖVP1590FCZZ | 572 323 2139             | 11- 44 | AE       | DJ  | N   | C   |
| PCÖVP1591FCZZ | 572 323 2140             | 11- 23 | AE       | DJ  | N   | C   |
| PCÖVP1592FCZZ | 572 323 2141             | 11- 20 | AH       | DX  | N   | C   |
| PCÖVP1611FCZZ | 572 323 2145             | 4- 35  | AC       | DJ  | N   | C   |
| PCÖVP1618FCZZ | 572 323 2109             | 1- 24  | AG       | DX  | N   | C   |
| PCÖVP1623FCZZ | 572 323 2146             | 15- 65 | AD       | DJ  | N   | C   |
| PCÖVP1629FCZZ | 572 323 2115             | 12- 52 | AG       | DX  |     | C   |
| PCÖVW0044PAZZ | 572 323 2157             | 25-136 | AC       | DJ  | N   | C   |
| PDUC-0161FCZZ | 572 332 0216             | 14- 3  | AH       | DX  | N   | C   |
| PDUC-0162FCZZ | 572 332 0217             | 12- 8  | AG       | DX  | N   | C   |
| PDUC-0163FCZZ | 572 332 0211             | 12- 7  | AG       | DX  | N   | C   |
| PDUC-0164FCZZ | 572 332 0212             | 12- 32 | AK       | DX  | N   | C   |
| PDUC-0165FCZZ | 572 332 0213             | 12- 1  | AF       | DS  | N   | C   |
| PFILZ0285FCZ1 | 572 337 0396             | 12- 2  | AT       | EZ  | N   | C   |
| PFILZ0287FCZZ | 572 337 0397             | 2- 50  | AU       | EZ  |     | C   |
| PFTA-0139FCZZ | 572 344 0113             | 1- 19  | AD       | DJ  | N   | C   |
| PGIDH1833FCZZ | 572 345 2964             | 16- 25 | AC       | DJ  |     | C   |
| PGIDH1883FCZZ | 572 345 3590             | 14- 26 | AN       | EQ  | N   | C   |
| PGIDH1960FCZZ | 572 345 3591             | 3- 9   | AK       | DX  | N   | C   |
| PGIDM1884FCZZ | 572 345 3592             | 2- 5   | AU       | EZ  | N   | C   |
| PGIDM1885FCZZ | 572 345 3632             | 2- 4   | AR       | EQ  | N   | C   |
| PGIDM1886FCZZ | 572 345 3593             | 2- 1   | AL       | EB  | N   | C   |
| PGIDM1887FCZZ | 572 345 3594             | 3- 28  | AQ       | EQ  | N   | C   |
| PGIDM1888FCZZ | 572 345 3595             | 3- 32  | AL       | EB  | N   | C   |
| PGIDM1891FCZZ | 572 345 3596             | 6- 7   | AG       | DX  | N   | C   |
| PGIDM1892FCZZ | 572 345 3598             | 6- 23  | AE       | DS  | N   | C   |
| PGIDM1893FCZZ | 572 345 3597             | 6- 22  | AH       | DX  | N   | C   |
| PGIDM1894FCZZ | 572 345 3599             | 7- 25  | AP       | EQ  | N   | C   |
| PGIDM1895FCZZ | 572 345 3600             | 7- 1   | AN       | EG  | N   | C   |
| PGIDM1896FCZZ | 572 345 3633             | 8- 10  | AS       | EQ  | N   | C   |
| PGIDM1950FCZ1 | 572 345 3601             | 5- 3   | AF       | DS  | N   | C   |
| PGIDM1951FCZZ | 572 345 3602             | 7- 43  | AQ       | EQ  | N   | C   |
| PMLT-1238FCZZ | 572 375 0970             | 10- 48 | AC       | DJ  | N   | C   |
| PMLT-1241FCZZ | 572 375 0972             | 11- 48 | AA       | DJ  | N   | C   |
| PMLT-1242FCZZ | 572 375 0973             | 11- 46 | AG       | DS  | N   | C   |
| PMLT-1244FCZZ | 572 375 0974             | 11- 49 | AC       | DJ  | N   | C   |
| PMLT-1245FCZ1 | 572 375 0976             | 10- 8  | AF       | DS  | N   | C   |
| PMLT-1260FCZZ | 572 375 0975             | 11- 45 | AA       | DJ  | N   | C   |
| PMLT-1263FCZZ | 572 375 0984             | 2- 42  | AD       | DJ  | N   | C   |
| PMLT-1264FCZZ | 572 375 0985             | 2- 45  | AD       | DJ  | N   | C   |
| PMLT-1265FCZZ | 572 375 0986             | 2- 44  | AD       | DJ  | N   | C   |
| PMLT-1266FCZZ | 572 375 0987             | 2- 43  | AD       | DJ  | N   | C   |
| PMLT-1276FCZZ | 572 375 0977             | 8- 59  | AA       | DJ  | N   | C   |
| PMLT-1277FCZZ | 572 375 0978             | 15- 67 | AC       | DJ  | N   | C   |
| PMLT-1278FCZZ | 572 375 0979             | 15- 68 | AD       | DJ  | N   | C   |
| PPIPP0206FCZZ | 572 395 0224             | 10- 14 | AD       | DJ  | N   | C   |
| PRDAR0057FCZZ | 572 397 0130             | 20- 1  | AE       | DS  |     | C   |
| PRDAR0534PAZZ | 578 397 0049             | 25- 6  | AE       | DS  |     | C   |
| PRDAR0633PAZZ | 572 397 0187             | 25- 7  | AF       | DS  | N   | C   |
| PRDAR0638PAZZ | 572 397 0188             | 25- 8  | AK       | DX  | N   | C   |
| PRNGF0106FCZ1 | 572 399 0238             | 10- 45 | AC       | DJ  | N   | C   |
| PRNGF0107FCZZ | 572 399 0239             | 5- 19  | AC       | DJ  | N   | C   |
| PRNGP0090FCZZ | 572 399 0186             | 6- 24  | AA       | DJ  |     | C   |
| PSEL-0797FCZZ | 572 400 0744             | 11- 38 | AC       | DJ  | N   | C   |
| PSEL-0798FCZZ | 572 400 0745             | 11- 43 | AC       | DJ  | N   | C   |
| PSEL-0800FCZ1 | 572 400 0750             | 11- 47 | AC       | DJ  | N   | C   |
| PSEL-0805FCZZ | 572 400 0747             | 10- 55 | AE       | DJ  | N   | C   |
| PSHEP4825FCZZ | 572 403 4984             | 3- 34  | AD       | DJ  | N   | C   |
| PSHEP4826FCZZ | 572 403 4985             | 4- 50  | AC       | DJ  | N   | C   |

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| PSHEP4911FCZZ | 572 403 4986             | 9- 11  | AB       | DJ  | N   | C   |
| PSHEP4926FC10 | 572 403 5043             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4926FC11 | 572 403 5044             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4926FCZ1 | 572 403 5055             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4926FCZ2 | 572 403 5035             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4926FCZ3 | 572 403 5036             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4926FCZ4 | 572 403 5037             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4926FCZ5 | 572 403 5038             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4926FCZ6 | 572 403 5039             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4926FCZ7 | 572 403 5040             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4926FCZ8 | 572 403 5041             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4926FCZ9 | 572 403 5042             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4926FCZZ | 572 403 5034             | 17- 13 | AL       | EB  | N   | D   |
| PSHEP4931FCZZ | 572 403 4987             | 3- 11  | AC       | DJ  | N   | C   |
| PSHEP4943FCZZ | 572 403 4999             | 8- 60  | AB       | DJ  | N   | C   |
| PSHEP4944FCZZ | 572 403 5001             | 12- 44 | AF       | DS  | N   | C   |
| PSHEP4945FCZZ | 572 403 5002             | 12- 45 | AC       | DJ  | N   | C   |
| PSHEP4947FCZZ | 572 403 5003             | 4- 85  | AC       | DJ  |     | C   |
| PSHEP4948FCZZ | 572 403 5004             | 4- 86  | AC       | DJ  |     | C   |
| PSHEZ3130FCZZ | 572 403 2466             | 16- 6  | AB       | DD  |     | C   |
| PSHEZ4827FCZZ | 572 403 4988             | 10- 33 | AD       | DJ  | N   | C   |
| PSHEZ4828FCZ1 | 572 403 5045             | 10- 37 | AD       | DJ  | N   | C   |
| PSHEZ4873FCZZ | 572 403 4990             | 14- 7  | AC       | DJ  | N   | C   |
| PSHEZ4874FCZZ | 572 403 4991             | 14- 5  | AC       | DJ  | N   | C   |
| PSHEZ4882FCZ1 | 572 403 5005             | 11- 50 | AC       | DJ  | N   | C   |
| PSHEZ4883FCZZ | 572 403 4992             | 11- 51 | AE       | DJ  | N   | C   |
| PSHEZ4884FCZZ | 572 403 4993             | 14- 42 | AF       | DS  | N   | C   |
| PSHEZ4885FCZZ | 572 403 4994             | 14- 37 | AB       | DJ  | N   | C   |
| PSHEZ4904FCZZ | 572 403 4995             | 12- 46 | AD       | DJ  | N   | C   |
| PSHEZ4905FCZZ | 572 403 4996             | 1- 28  | AC       | DJ  | N   | C   |
| PSHEZ4914FCZZ | 572 403 4997             | 8- 58  | AB       | DJ  | N   | C   |
| PSHEZ4920FCZZ | 572 403 4998             | 11- 52 | AA       | DJ  | N   | C   |
| PSHT-0088FCZZ | 572 407 0115             | 10- 17 | AC       | DJ  | N   | C   |
| PSPAZ1424FCZZ | 572 413 0734             | 2- 47  | AE       | DJ  | N   | C   |
| PSPAZ1429FCZZ | 572 413 0736             | 6- 39  | AB       | DJ  | N   | C   |
| PSPAZ1430FCZZ | 572 413 0737             | 4- 87  | AB       | DJ  |     | C   |
| PTME-0279FCZZ | 572 420 0329             | 2- 16  | AB       | DJ  | N   | C   |
| PTME-0280FCZZ | 572 420 0333             | 16- 10 | AD       | DJ  | N   | C   |
| PTME-0281FCZZ | 572 420 0334             | 16- 24 | AD       | DJ  | N   | C   |
| PTME-0282FCZZ | 578 420 0046             | 7- 3   | AH       | DX  |     | C   |
| PTME-0283FCZZ | 572 420 0330             | 7- 41  | AL       | EB  | N   | C   |
| PTME-0286FCZZ | 572 420 0331             | 10- 44 | AH       | DX  | N   | C   |
| PTME-0287FCZZ | 572 420 0335             | 2- 9   | AD       | DJ  | N   | C   |
| PTME-0288FCZZ | 572 420 0336             | 5- 14  | AC       | DJ  | N   | C   |
| PTPE-0243FCZZ | 572 423 0203             | 16- 20 | AD       | DJ  |     | C   |
| PZETO0062PAZZ | 578 430 0015             | 25- 9  | AD       | DJ  |     | C   |
| PZETO0070PAZZ | 578 430 0016             | 25- 10 | AE       | DJ  |     | C   |
| 【Q】           |                          |        |          |     |     |     |
| QACCB7623QCZZ | 572 500 0067             | 17- 10 | AQ       | EQ  | N   | B   |
| QACCD7911QCZZ | 572 500 0089             | 17- 10 | AQ       | EQ  | N   | B   |
| QACCE6921QCZZ | 572 500 0090             | 17- 10 | AD       | DJ  | N   | B   |
| QACCJ6614QCZZ | 578 500 0016             | 17- 10 | AY       | FQ  | N   | B   |
| QACCL7921QCZZ | 572 500 0091             | 17- 10 | AC       | DJ  | N   | B   |
| QACCR7621QCZZ | 572 500 0087             | 17- 10 | AZ       | FQ  | N   | B   |
| QCNCM0041QSZZ | 578 510 0271             | 19- 3  | AP       | EQ  |     | C   |
| QCNCM0575FCZZ | 572 510 1217             | 22- 1  | AC       | DJ  | N   | C   |
| QCNCM0670FCZZ | 572 510 0773             | 18- 1  | AC       | DJ  |     | C   |
| QCNCM0876FCZZ | 572 510 0774             | 22- 2  | AB       | DJ  |     | C   |
| QCNCM0878FCZZ | 572 510 0822             | 18- 3  | AF       | DS  |     | C   |
| QCNCM0923FCZ4 | 572 510 0870             | 18- 4  | AF       | DS  |     | C   |
| QCNCM0923FCZ2 | 572 510 0871             | 18- 5  | AG       | DS  |     | C   |
| QCNCM0999FCZZ | 572 510 1004             | 4- 27  | AC       | DJ  |     | C   |
| QCNCM1000FCZZ | 572 510 1044             | 4- 28  | AC       | DJ  |     | C   |
| QCNCM1069ACZZ | 541 510 5071             | 18- 6  | AD       | DD  |     | C   |
| QCNCM1132FCZZ | 572 510 1198             | 20- 2  | AL       | EB  | N   | C   |
| QCNCM1143FCZZ | 572 510 1199             | 18- 7  | AG       | DX  | N   | C   |
| QCNCM1144FCZZ | 572 510 1200             | 18- 8  | AH       | DX  | N   | C   |
| QCNCM1146FCZZ | 572 510 1201             | 19- 4  | AE       | DJ  | N   | C   |
| QCNCM1175FCZZ | 572 510 1218             | 18- 2  | AG       | DX  | N   | C   |
| QCNCM5093SC0B | 594 510 0190             | 18- 9  | AB       | DD  |     | C   |
| QCNCM7014SC0C | 595 510 0338             | 20- 3  | AA       | DD  |     | C   |
| QCNCM7014SC0H | 595 510 0348             | 18- 11 | AB       | DD  |     | C   |
| QCNCM7014SC1A | 595 510 0692             | 18- 12 | AC       | DJ  |     | C   |
| QCNCM7014SC1D | 574 510 0163             | 18- 13 | AC       | DJ  |     | C   |
| QCNCW0002ESZZ | 572 510 1202             | 18- 14 | AC       | DJ  | N   | C   |
| QCNCW0946FCZZ | 594 510 0500             | 19- 5  | AH       | DX  |     | C   |
| QCNCW1131FCZZ | 572 510 1203             | 20- 4  | AD       | DJ  | N   | C   |
| QCNCW1134FCZZ | 572 510 1219             | 23- 2  | AH       | DX  | N   | C   |
| QCNCW1136FCZZ | 572 510 1204             | 18- 15 | AC       | DJ  | N   | C   |
| QCNCW1139FCZZ | 572 510 1205             | 18- 16 | AC       | DJ  | N   | C   |
| QCNCW1140FCZZ | 572 510 1206             | 18- 17 | AD       | DJ  | N   | C   |



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| QCNCW1147FCZZ  | 572 510 1207             | 19- 6  | AL       | EB  | N   | C   |
| QCNCW1150FCZZ  | 572 510 1208             | 18- 18 | AE       | DJ  | N   | C   |
| QCNCW-0171FCZZ | 572 512 0402             | 15- 54 | AD       | DJ  | N   | C   |
| QCNW-0173FCZZ  | 572 512 0403             | 12- 15 | AK       | DX  | N   | C   |
| QCNW-0174FCZZ  | 572 512 0404             | 15- 56 | AD       | DJ  | N   | C   |
| QCNW-0175FCZZ  | 572 512 0405             | 15- 55 | AC       | DJ  | N   | C   |
| QCNW-0176FCZZ  | 572 512 0406             | 12- 14 | AK       | EB  | N   | C   |
| QEARP0112FCZZ  | 572 514 0090             | 3- 36  | AD       | DJ  | N   | C   |
| QEARP0115FCZZ  | 572 514 0091             | 4- 48  | AF       | DS  | N   | C   |
| QEARP0116FCZZ  | 572 514 0100             | 4- 32  | AC       | DD  | N   | C   |
| QEARP0117FCZZ  | 572 514 0092             | 4- 37  | AC       | DJ  | N   | C   |
| QEARP0118FCZZ  | 572 514 0093             | 4- 47  | AC       | DJ  | N   | C   |
| QEARP0123FCZZ  | 572 514 0098             | 7- 16  | AE       | DS  | N   | C   |
| QEARP0124FCZZ  | 572 514 0099             | 8- 55  | AK       | DX  | N   | C   |
| QEARP0131FCZZ  | 572 514 0094             | 10- 32 | AD       | DJ  | N   | C   |
| QEARP0132FCZZ  | 572 514 0095             | 5- 16  | AE       | DJ  | N   | C   |
| QEARP0133FCZZ  | 572 514 0096             | 10- 56 | AC       | DJ  | N   | C   |
| QEARP0136FCZZ  | 572 514 0097             | 2- 23  | AD       | DJ  | N   | C   |
| QFS-A2700QCZZ  | 571 515 0003             | 21- 3  | AD       | DJ  |     | A   |
| QFS-B0030FCZZ  | 572 515 0062             | 21- 3  | AH       | DS  |     | A   |
| QFS-C0051PAZZ  | 572 515 0511             | 25- 99 | AD       | DJ  | N   | A   |
| QFS-C0054PAZZ  | 572 515 0512             | 25-100 | AD       | DJ  | N   | A   |
| QFS-C1500QCZZ  | 572 515 0120             | 21- 3  | AF       | DS  |     | A   |
| QFSHA0025PAZZ  | 578 516 0009             | 25- 19 | AC       | DJ  |     | C   |
| QFSDH0026FCZZ  | 572 516 0050             | 21- 4  | AC       | DJ  |     | C   |
| QLUGP0024PAZZ  | 572 520 0113             | 25-101 | AC       | DJ  | N   | C   |
| QLUGP0034PAZZ  | 572 520 0114             | 25-102 | AC       | DJ  | N   | C   |
| QLUGP2021YAZZ  | 572 520 0115             | 25-103 | AC       | DJ  | N   | C   |
| QPIN-0003GCZZ  | 578 523 0004             | 19- 7  | AC       | DJ  |     | C   |
| QPIN-0009FCZZ  | 572 523 0026             | 21- 5  | AC       | DJ  |     | C   |
| QPLGJ2326YAZZ  | 541 524 5004             | 25-104 | AB       | DD  |     | C   |
| QPLGZ0430PAZZ  | 572 524 0118             | 25-105 | AE       | DJ  |     | C   |
| QPLGZ0618PAZZ  | 572 524 0125             | 25-106 | AH       | DX  | N   | C   |
| QPLGZ0622PAZZ  | 572 524 0126             | 25-107 | AD       | DJ  | N   | C   |
| QPLGZ0624PAZZ  | 572 524 0127             | 25-108 | AN       | EG  | N   | C   |
| QSLP-0194FCZZ  | 572 537 0045             | 9- 7   | AC       | DJ  | N   | C   |
| QSLP-0195FCZZ  | 572 537 0046             | 9- 8   | AD       | DJ  | N   | C   |
| QS0CA0077FCZZ  | 572 527 0122             | 15- 33 | AF       | DS  | N   | C   |
| QS0CA0078FCZZ  | 572 527 0123             | 15- 32 | AF       | DS  | N   | C   |
| QS0CZ0001QSZZ  | 578 527 0024             | 19- 8  | AL       | EB  |     | C   |
| QS0CZ0002QSZZ  | 578 527 0027             | 18- 19 | AD       | DJ  |     | C   |
| QS0CZ0071FCZZ  | 572 527 0112             | 18- 20 | AP       | EQ  |     | C   |
| QS0CZ0073FCZZ  | 572 527 0115             | 19- 9  | AL       | EB  |     | C   |
| QS0CZ0079FCZZ  | 578 527 0029             | 19- 98 | AN       | EQ  |     | C   |
| QS0CZ6428ACZZ  | 541 527 1013             | 19- 10 | AE       | DS  |     | C   |
| QSW-C1381QCZZ  | 572 530 0691             | 13- 12 | AY       | FQ  | N   | B   |
| QSW-M0502FCZZ  | 572 530 0603             | 8- 52  | AH       | DX  |     | B   |
| "/             | 572 530 0603             | 14- 10 | AH       | DX  |     | B   |
| QSW-P0005QSZZ  | 572 530 0672             | 18- 21 | AC       | DJ  |     | B   |
| "/             | 572 530 0672             | 23- 3  | AC       | DJ  |     | B   |
| QSW-P0532FCZZ  | 572 530 0692             | 22- 3  | AD       | DJ  | N   | B   |
| QTANP0215FCZZ  | 572 532 0213             | 21- 6  | AC       | DJ  | N   | C   |
| QTANZ0426PAZZ  | 572 532 0214             | 25- 95 | AC       | DJ  | N   | C   |
| QTANZ0480PAZZ  | 572 532 0215             | 25- 96 | AC       | DJ  | N   | C   |
| 【R】            |                          |        |          |     |     |     |
| RC-EZ0502PAZZ  | 578 591 0014             | 25-109 | AE       | DJ  |     | C   |
| RC-EZ0646PAZZ  | 572 591 0088             | 25-110 | AG       | DX  | N   | C   |
| RC-FZ148DPAZZ  | 572 596 0396             | 25-111 | AD       | DD  | N   | C   |
| RC-FZ150DPAZZ  | 595 596 0357             | 25-112 | AE       | DS  |     | C   |
| RC-FZ163DPAZZ  | 572 596 0397             | 25-113 | AG       | DX  | N   | C   |
| RCILF0107FCZZ  | 572 614 0285             | 12- 49 | AQ       | EQ  | N   | C   |
| RC-KZ4014PAZZ  | 572 591 0072             | 25- 58 | AC       | DD  |     | C   |
| RCORF4093PAZZ  | 572 615 0082             | 25- 21 | AB       | DJ  | N   | C   |
| RC-QZ0130PAZZ  | 578 596 0023             | 25- 64 | AD       | DD  |     | C   |
| RC-QZ0176PAZZ  | 595 596 0354             | 25- 65 | AD       | DJ  |     | C   |
| RC-QZ0218PAZZ  | 572 596 0382             | 25- 66 | AC       | DD  |     | C   |
| RC-QZA103PARJ  | 572 596 0398             | 25- 59 | AB       | DD  | N   | C   |
| RC-QZA222PARJ  | 572 596 0399             | 25- 60 | AB       | DD  | N   | C   |
| RC-QZA471PARJ  | 572 596 0400             | 25- 61 | AB       | DD  | N   | C   |
| RC-QZA472PARJ  | 572 596 0401             | 25- 62 | AB       | DD  | N   | C   |
| RC-QZS104PARJ  | 572 596 0402             | 25- 63 | AC       | DD  | N   | C   |
| "/             | 572 596 0402             | 25- 90 | AC       | DD  | N   | C   |
| RC-QZS471PARJ  | 572 596 0403             | 25- 91 | AB       | DD  | N   | C   |
| RCRSP6676RCZZ  | 579 616 0064             | 19- 11 | AG       | DX  | N   | B   |
| RCRSZ0001QSZZ  | 572 616 0100             | 18- 22 | AG       | DS  | N   | B   |
| RCRUA0005FCZZ  | 572 616 0147             | 19- 15 | AP       | EQ  | N   | B   |
| RCRUA0007FCZZ  | 572 616 0148             | 19- 16 | AP       | EQ  | N   | B   |
| RCRUA0008FCZZ  | 572 616 0149             | 19- 17 | AP       | EQ  | N   | B   |
| RCRUA0009FCZZ  | 578 616 0060             | 19- 18 | AP       | EQ  | N   | B   |
| RCRUA0012FCZZ  | 572 616 0150             | 19- 19 | AP       | EQ  | N   | B   |
| RCRUB0002FCZZ  | 572 616 0146             | 18- 23 | AP       | EQ  | N   | B   |

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|               |                          |        | Ex.      | Ja. |     |     |
| RDENC0002FCZZ | 572 685 2063             | 13- 1  | BX       | RR  | N   | E   |
| "/            | 572 685 2063             | 24-901 | BX       | RR  | N   | E   |
| RDENC0003FCZZ | 572 685 2070             | 13- 1  | BX       | TF  | N   | E   |
| "/            | 572 685 2070             | 25-901 | BX       | TF  | N   | E   |
| RDENU0001FCZZ | 572 685 2069             | 15- 42 | BP       | LP  | N   | E   |
| RDTCT0146FCZZ | 572 618 0161             | 11- 39 | AX       | FG  | N   | B   |
| RDTCT0147FCZZ | 572 618 0159             | 7- 6   | AR       | EQ  | N   | B   |
| RFiLN0007GCZZ | 578 621 0012             | 19-100 | AC       | DJ  |     | C   |
| RFiLN0042FCZZ | 572 621 0051             | 18- 24 | AC       | DJ  | N   | C   |
| RFiLN0047FCZZ | 572 621 0063             | 18- 25 | AC       | DJ  | N   | C   |
| RFiLN0048FCZZ | 572 621 0064             | 19-100 | AC       | DJ  | N   | C   |
| RH-DZ0019FCZZ | 572 570 0002             | 21- 7  | AG       | DX  |     | B   |
| RH-HX0027PAZZ | 578 572 0003             | 25- 11 | AE       | DS  |     | B   |
| RH-iX0275PAZZ | 541 573 0135             | 25- 97 | AP       | EZ  |     | B   |
| RH-iX0783PAZZ | 572 573 0004             | 25- 67 | AD       | DJ  |     | B   |
| RH-iX2262PAZZ | 572 573 2424             | 25-114 | AM       | EG  | N   | B   |
| RH-PX0285PAZZ | 578 574 0040             | 25-115 | AF       | DS  |     | B   |
| RH-PX0308PAZZ | 572 573 1785             | 25-116 | AM       | EG  |     | B   |
| RLMPU0656FCZZ | 572 626 0637             | 7- 23  | AY       | FQ  | N   | B   |
| RLMPU0657FCZZ | 572 626 0638             | 7- 21  | AY       | FQ  | N   | B   |
| RLMPU0661FCZZ | 572 626 0635             | 7- 23  | AX       | FG  | N   | B   |
| RLMPU0662FCZZ | 572 626 0636             | 7- 21  | AX       | FG  | N   | B   |
| RLMPU0663FCZZ | 572 626 0639             | 7- 23  | AY       | FQ  | N   | B   |
| RLMPU0664FCZZ | 572 626 0640             | 7- 21  | AY       | FQ  | N   | B   |
| RM0TD0856FCZZ | 572 630 1047             | 15- 44 | BA       | FX  | N   | B   |
| RM0TD0858FCZZ | 578 630 0116             | 15- 22 | BR       | LX  | N   | B   |
| RM0TP0861FCZZ | 572 630 1050             | 15- 14 | BF       | GN  | N   | B   |
| RM0TP0862FCZZ | 572 630 1051             | 15- 14 | BF       | GN  | N   | B   |
| RM0TP0875FCZZ | 572 630 1048             | 15- 12 | BN       | LE  | N   | B   |
| RM0TS0859FCZZ | 572 630 1049             | 8- 57  | BC       | GD  | N   | B   |
| RMPTK0019PAZZ | 572 631 0297             | 25-117 | AN       | EG  | N   | B   |
| RMPTR4100ACZZ | 567 631 0099             | 19- 20 | AB       | DD  |     | B   |
| "/            | 567 631 0099             | 19- 21 | AB       | DD  |     | B   |
| RMPTR4103ACZZ | 567 631 0100             | 18- 26 | AB       | DD  |     | B   |
| "/            | 567 631 0100             | 19- 22 | AB       | DD  |     | B   |
| "/            | 567 631 0100             | 19- 23 | AB       | DD  |     | B   |
| RMPTR4330ACZZ | 567 631 0109             | 19- 24 | AB       | DD  |     | B   |
| RMPTR4472ACZZ | 567 631 0102             | 19- 25 | AB       | DD  |     | B   |
| RPLU-0326FCZ1 | 572 647 0324             | 15- 6  | AN       | EQ  |     | B   |
| RR-BZ0005PAZZ | 572 580 1264             | 25-118 | AC       | DD  | N   | C   |
| RR-DZ0029PAZZ | 578 580 0109             | 25- 22 | AA       | DD  |     | C   |
| RR-DZ0034PAZZ | 572 580 1265             | 25- 23 | AA       | DD  | N   | C   |
| RR-FZA3HCR05K | 572 580 1266             | 25-119 | AF       | DS  | N   | C   |
| RRLYZ0107PAZZ | 572 637 0163             | 25-125 | AL       | EB  | N   | B   |
| RR-SN1021PA6D | 572 580 1267             | 25- 24 | AB       | DD  | N   | C   |
| RR-SN9311PA6D | 572 580 1268             | 25- 25 | AB       | DD  | N   | C   |
| RR-SZ0070PAZZ | 572 580 1269             | 25-120 | AC       | DD  | N   | C   |
| RR-SZ0072PAZZ | 578 580 0111             | 25-121 | AB       | DD  |     | C   |
| RR-SZ0098PAZZ | 572 580 1270             | 25-122 | AB       | DD  | N   | C   |
| RR-SZ0126PAZZ | 572 580 1271             | 25-123 | AC       | DD  | N   | C   |
| RR-SZ0129PAZZ | 572 580 1272             | 25-124 | AB       | DD  | N   | C   |
| RR-XZ0012PAZZ | 596 580 0054             | 25- 26 | AB       | DD  |     | B   |
| RR-XZ0030PAZZ | 595 580 0098             | 25- 27 | AB       | DD  |     | B   |
| RR-XZ0076PAZZ | 595 580 0441             | 25- 75 | AC       | DD  |     | B   |
| RTHM-0023FCZZ | 572 644 0037             | 7- 15  | AM       | EG  | N   | B   |
| RTHM-0024FCZZ | 572 644 0036             | 7- 15  | AM       | EG  | N   | B   |
| RTRNZ0607PANT | 572 660 0439             | 25-126 | AE       | DJ  | N   | B   |
| RTRNZ0704PANJ | 572 660 0440             | 25-127 | AN       | EQ  | N   | B   |
| RTRNZ0765PANE | 572 660 0441             | 25-128 | AP       | EQ  | N   | B   |
| RTRNZ0769PANJ | 572 660 0442             | 25-129 | AM       | EG  | N   | B   |
| RTRNZ0770PANJ | 572 660 0443             | 25-130 | AU       | FG  | N   | B   |
| RTRNZ0771PANJ | 572 660 0444             | 25-131 | AP       | EQ  | N   | B   |
| RVR-M0390PAZZ | 572 670 0178             | 25- 92 | AD       | DJ  |     | B   |
| 【S】           |                          |        |          |     |     |     |
| SPAKA6123FCZZ | 572 902 1611             | 17- 3  | AW       | FG  | N   | D   |
| SPAKA6236FCZZ | 572 902 1620             | 17- 7  | AD       | DJ  | N   | D   |
| SPAKA6256FCZZ | 572 902 1622             | 17- 26 | AD       | DJ  | N   | D   |
| SPAKA6265FCZZ | 572 902 1623             | 17- 27 | AC       | DJ  | N   | D   |
| SPAKC6118DS11 | 572 901 1764             | 17- 5  | AU       | EZ  | N   | D   |
| SPAKC6118DS22 | 572 901 1763             | 17- 5  | AU       | EZ  | N   | D   |
| SPAKC6122DS11 | 572 901 1759             | 17- 5  | AE       | EZ  | N   | D   |
| SPAKC6122DS12 | 572 901 1767             | 17- 5  | AU       | EZ  | N   | D   |
| SPAKC6122DS14 | 572 901 1760             | 17- 5  | AE       | EZ  | N   | D   |
| SPAKC6122DS15 | 572 901 1768             | 17- 5  | AU       | EZ  | N   | D   |
| SSAKA2440QCZZ | 595 906 0005             | 17- 22 | AB       | DD  |     | D   |
| SSAKA5003CCZZ | 500 906 0006             | 17- 23 | AA       | DD  |     | D   |
| SSAKZ0019FCZZ | 578 906 0019             | 17- 1  | AM       | EG  | N   | D   |
| 【T】           |                          |        |          |     |     |     |
| TCADS1510FCZZ | 572 913 0955             | 17- 17 | AA       | DJ  | N   | D   |
| TCADS1511FCZZ | 572 913 0956             | 17- 17 | AC       | DJ  | N   | D   |
| TCADS1512FCZZ | 572 913 0957             | 17- 17 | AB       | DJ  | N   | D   |

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| TCADZ1275FCZZ  | 572 913 0734             | 17- 8  | AB       | DJ  |     | D   |
| TCADZ1508FCZZ  | 572 913 0950             | 17- 14 | AG       | DS  | N   | D   |
| TCADZ1514FCZZ  | 572 913 0958             | 17- 19 | AA       | DJ  | N   | D   |
| TCADZ1521FCZZ  | 572 913 0951             | 17- 6  | AE       | DJ  | N   | D   |
| TCAUS0009QSZZ  | 572 914 0679             | 17- 24 | AF       | DS  |     | D   |
| TCAUS1038FCZZ  | 572 914 0675             | 14- 53 | AD       | DJ  |     | D   |
| TINS2072GHZZ   |                          | 17- 20 | AX       |     | N   | D   |
| TINS2154GHZZ   |                          | 17- 20 | AH       |     | N   | D   |
| TINSE2057FCZZ  | 572 916 1927             | 17- 20 | BQ       | LP  | N   | D   |
| TINSE2058FCZZ  | 572 916 1929             | 17- 20 | AX       | ZZ  | N   | D   |
| TINSE2061GHZZ  |                          | 17- 20 | AX       |     | N   | D   |
| TINSE2067FCZZ  | 572 916 1945             | 17- 20 | AY       | FQ  | N   | D   |
| TINSE2139FCZZ  | 572 916 1928             | 17- 20 | AX       | FG  | N   | D   |
| TINSE2140FCZZ  | 572 916 1930             | 17- 20 | AH       | ZZ  | N   | D   |
| TINSE2143GHZZ  |                          | 17- 20 | AH       |     | N   | D   |
| TINSE2149FCZZ  | 572 916 1946             | 17- 20 | AG       | DX  | N   | D   |
| TINSE2180FCZZ  | 572 916 1933             | 17- 20 | AC       | DJ  | N   | D   |
| TINSF2059FCZZ  | 572 916 1934             | 17- 20 | AF       | DS  | N   | D   |
| TINSF2141FCZZ  | 572 916 1935             | 17- 20 | AH       | ZZ  | N   | D   |
| TINSG2060GHZZ  |                          | 17- 20 | AX       |     | N   | D   |
| TINSG2142GHZZ  |                          | 17- 20 | AH       |     | N   | D   |
| TINSH2064GHZZ  |                          | 17- 20 | AX       |     | N   | D   |
| TINSH2146GHZZ  |                          | 17- 20 | AH       |     | N   | D   |
| TINSI2063GHZZ  |                          | 17- 20 | AX       |     | N   | D   |
| TINSI2145GHZZ  |                          | 17- 20 | AH       |     | N   | D   |
| TINSJ2056FCZZ  | 572 916 1936             | 17- 20 | AY       | ZZ  | N   | D   |
| TINSJ2138FCZZ  | 572 916 1937             | 17- 20 | AH       | ZZ  | N   | D   |
| TINSZ2062FCZZ  | 572 916 1947             | 17- 20 | AY       | FQ  | N   | D   |
| TINSS2144FCZZ  | 572 916 1948             | 17- 20 | AG       | DX  | N   | D   |
| TINSW2069GHZZ  |                          | 17- 20 | AX       |     | N   | D   |
| TINSW2151GHZZ  |                          | 17- 20 | AH       |     | N   | D   |
| TINSZ2070GHZZ  |                          | 17- 20 | AX       |     | N   | D   |
| TINSZ2071GHZZ  |                          | 17- 20 | AX       |     | N   | D   |
| TINSZ2073GHZZ  |                          | 17- 20 | AX       |     | N   | D   |
| TINSZ2074GHZZ  |                          | 17- 20 | AX       |     | N   | D   |
| TINSZ2075GHZZ  |                          | 17- 20 | AX       |     | N   | D   |
| TINSZ2152GHZZ  |                          | 17- 20 | AH       |     | N   | D   |
| TINSZ2153GHZZ  |                          | 17- 20 | AH       |     | N   | D   |
| TINSZ2155GHZZ  |                          | 17- 20 | AH       |     | N   | D   |
| TINSZ2156GHZZ  |                          | 17- 20 | AH       |     | N   | D   |
| TINSZ2157GHZZ  |                          | 17- 20 | AH       |     | N   | D   |
| TLABN0955PAZZ  | 572 917 3588             | 25-137 | AB       | DJ  | N   | D   |
| TLABZ4205FCZZ  | 572 917 3232             | 7- 48  | AC       | DJ  |     | D   |
| TLABZ4432FCZZ  | 572 917 3572             | 14- 54 | AC       | DJ  | N   | C   |
| 【U】            |                          |        |          |     |     |     |
| UBATL2033SCZZ  | 595 932 0026             | 19- 12 | AK       | EB  |     | B   |
| UBNDA0001FCZZ  | 595 933 0001             | 17- 25 | AA       | DD  |     | D   |
| UCLEZ20164FCZZ | 572 704 0102             | 11- 55 | AG       | DS  | N   | C   |
| 【V】            |                          |        |          |     |     |     |
| VCCCCZ1HH100D  | 521 593 0027             | 18- 27 | AA       | DD  |     | C   |
| VCCCCZ1HH101J  | 521 593 0028             | 18- 28 | AA       | DD  |     | C   |
| “              | 521 593 0028             | 19- 27 | AA       | DD  |     | C   |
| “              | 521 593 0028             | 19- 28 | AA       | DD  |     | C   |
| VCCCCZ1HH220J  | 521 593 0023             | 18- 29 | AA       | DD  |     | C   |
| “              | 521 593 0023             | 19- 29 | AA       | DD  |     | C   |
| VCCSPA1H6331J  | 572 593 0353             | 25- 93 | AC       | DD  | N   | C   |
| VCEAFU1HM225M  | 572 594 0918             | 25- 68 | AB       | DD  | N   | C   |
| VCEAFU1HM474M  | 572 594 0919             | 25- 69 | AC       | DD  | N   | C   |
| VCEAFU1HM476M  | 572 594 0920             | 25- 70 | AC       | DD  | N   | C   |
| VCEAFW1VM228M  | 572 594 0921             | 25-132 | AH       | DX  | N   | C   |
| VCEAFW1VM338M  | 572 594 0922             | 25-133 | AL       | EB  | N   | C   |
| VCEAGA0JW107M  | 541 591 5321             | 18- 30 | AC       | DD  |     | C   |
| VCEAGA1AW477M  | 541 591 5323             | 18- 32 | AB       | DD  |     | C   |
| VCEAGA1CW477M  | 541 591 5091             | 18- 33 | AB       | DJ  |     | C   |
| VCEAGA1VW106M  | 572 594 0093             | 18- 35 | AA       | DD  |     | C   |
| VCEAGA1VW227M  | 572 594 0086             | 18- 37 | AB       | DD  |     | C   |
| VCEAGU1AW476M  | 507 591 5008             | 18- 31 | AA       | DD  |     | C   |
| VCEAGU1HW335M  | 505 591 5008             | 18- 34 | AA       | DD  |     | C   |
| VCEAGU1VW107M  | 579 594 0049             | 18- 36 | AB       | DD  |     | C   |
| VCEAGU1VW476M  | 579 594 0046             | 18- 38 | AB       | DD  |     | C   |
| VCEAPH1HC105M  | 521 594 0002             | 19- 33 | AC       | DD  |     | C   |
| VCEAPS1CC106M  | 588 594 0085             | 19- 30 | AC       | DD  |     | C   |
| VCEAPS1CC226M  | 593 594 0584             | 19- 31 | AC       | DJ  |     | C   |
| VCEAPS1CC476M  | 567 594 0128             | 19- 32 | AC       | DJ  |     | C   |
| VCEAZU1VW107M  | 572 594 0794             | 20- 5  | AC       | DD  |     | C   |
| VCEAZU1VW477M  | 572 594 0655             | 20- 6  | AD       | DJ  |     | C   |
| VCKYCZ1CF104Z  | 521 593 0017             | 18- 39 | AB       | DD  |     | C   |
| “              | 521 593 0017             | 19- 34 | AB       | DD  |     | C   |
| “              | 521 593 0017             | 19- 35 | AB       | DD  |     | C   |
| “              | 521 593 0017             | 19- 36 | AB       | DD  |     | C   |
| “              | 521 593 0017             | 19- 37 | AB       | DD  |     | C   |

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| VCKYCZ1CF104Z  | 521 593 0017             | 19- 38 | AB       | DD  |     | C   |
| “              | 521 593 0017             | 19- 39 | AB       | DD  |     | C   |
| VCKYCZ1EF223Z  | 567 593 0398             | 18- 40 | AA       | DD  |     | C   |
| VCKYCZ1HB102K  | 521 593 0030             | 18- 41 | AA       | DD  |     | C   |
| “              | 521 593 0030             | 19- 40 | AA       | DD  |     | C   |
| VCKYCZ1HB222K  | 521 593 0032             | 18- 42 | AA       | DD  |     | C   |
| VCKYCZ1HF103Z  | 567 593 0374             | 19- 41 | AA       | DD  |     | C   |
| VCKYPU1EB223Z  | 572 593 0312             | 23- 4  | AB       | DD  |     | C   |
| VCQYNU1HM103K  | 507 591 5016             | 18- 43 | AA       | DD  |     | C   |
| VHD1N4005/-1   | 572 570 0478             | 25- 30 | AC       | DJ  |     | B   |
| VHD1SS270A/-1  | 578 570 0049             | 25- 31 | AA       | DD  |     | B   |
| VHDDA204K/-1   | 501 570 0011             | 18- 46 | AC       | DD  |     | B   |
| VHDDAN202K/-1  | 500 570 5005             | 18- 44 | AB       | DD  |     | B   |
| VHDDAP202K/-1  | 500 570 0037             | 18- 45 | AB       | DD  |     | B   |
| VHDDAP202U/-1  | 500 570 5023             | 19- 42 | AB       | DD  |     | B   |
| VHDDSM1D1/-1   | 572 570 0366             | 20- 7  | AB       | DJ  |     | B   |
| VHDDSS133/-1   | 500 570 5006             | 18- 47 | AA       | DD  |     | B   |
| VHDERA2210/-1  | 572 570 0538             | 25- 28 | AD       | DJ  | N   | B   |
| VHDERA9102/-1  | 578 570 0048             | 25- 29 | AC       | DD  |     | B   |
| VHDESAD92M02/  | 596 570 0021             | 25- 12 | AK       | EB  |     | B   |
| VHDGSI B6A60-1 | 572 570 0541             | 25- 13 | AH       | DX  | N   | B   |
| VHDM1FL20U+-1  | 572 570 0542             | 18- 49 | AC       | DJ  | N   | B   |
| VHDMA704A/-1   | 572 570 0328             | 18- 48 | AC       | DJ  |     | B   |
| VHDRB451F/-1   | 594 570 0199             | 19- 43 | AD       | DS  |     | B   |
| VHDRLS733/-1   | 572 570 0021             | 19- 44 | AA       | DD  |     | B   |
| VHDS1WBA60/-1  | 585 570 0010             | 25-134 | AE       | DS  |     | B   |
| VHDYG805C04-1  | 572 570 0539             | 25- 14 | AH       | DX  | N   | B   |
| VHEHZS27-1/-1  | 572 571 0261             | 25- 32 | AB       | DJ  | N   | B   |
| VHEHZS3B33/-1  | 572 571 0263             | 18- 50 | AB       | DJ  | N   | B   |
| VHEHZS4B27/-1  | 572 571 0262             | 25- 33 | AB       | DJ  | N   | B   |
| VHEHZS6B27/-1  | 578 571 0040             | 25- 34 | AC       | DJ  |     | B   |
| VHERD22FB/-1   | 500 571 0074             | 18- 51 | AD       | DJ  |     | B   |
| VHERD39ESB1-1  | 572 571 0216             | 25- 35 | AC       | DJ  |     | B   |
| VHERD6.8ESB11  | 572 571 0221             | 25- 36 | AC       | DJ  |     | B   |
| VHi28F081L01F  | 572 573 2425             | 15- 58 | BE       | GN  | N   | B   |
| VHi28F322L05F  | 572 573 2427             | 12- 54 | BL       | HG  | N   | B   |
| VHi28F322L06F  | 572 573 2428             | 12- 54 | BL       | HG  | N   | B   |
| VHi28F322L10F  | 572 573 2429             | 12- 54 | BL       | HG  | N   | B   |
| VHi65946P07-1  | 572 573 2412             | 19- 66 | BA       | FX  |     | B   |
| VHi74LCX08MTC  | 572 573 2090             | 19- 67 | AE       | DJ  |     | B   |
| VHi74LCX14MTC  | 572 573 2091             | 19- 68 | AE       | DJ  |     | B   |
| VHi74LCX244MT  | 572 573 2092             | 19- 69 | AG       | DX  |     | B   |
| VHi74LCX245MT  | 572 573 2093             | 19- 70 | AG       | DX  |     | B   |
| VHi74LCX32MTC  | 572 573 2094             | 19- 71 | AE       | DJ  |     | B   |
| VHi74LVX16128  | 578 573 1048             | 19- 72 | AP       | EQ  |     | B   |
| VHi74VHCT240X  | 572 573 2194             | 18- 65 | AF       | DS  |     | B   |
| VHi74VHCT244X  | 572 573 2195             | 18- 66 | AF       | DS  |     | B   |
| VHi90LV17AW-1  | 572 573 2450             | 19- 73 | AP       | EQ  | N   | B   |
| VHiD82805GN-1  | 572 573 2406             | 18- 52 | BA       | FX  |     | B   |
| VHiDS14C238//  | 578 573 0838             | 19- 45 | AT       | EZ  |     | B   |
| VHiEEP64-120P  | 572 573 2413             | 19- 13 | AW       | FG  |     | B   |
| VHiEES04L400P  | 572 573 2414             | 18- 53 | AG       | DX  |     | B   |
| VHiFS781+++1   | 572 573 2441             | 18- 54 | AQ       | EQ  | N   | B   |
| VHiH8S2322R-1  | 572 573 2407             | 18- 55 | AZ       | FQ  |     | B   |
| VHiKS0U1347-1  | 578 573 1139             | 19- 46 | BN       | HV  |     | B   |
| VHiLCX157MT-1  | 572 573 2442             | 19- 47 | AM       | EG  | N   | B   |
| VHiLCX16244-1  | 578 573 1219             | 19- 48 | AM       | EG  | N   | B   |
| VHiLCX16245-1  | 578 573 1220             | 19- 49 | AM       | EG  | N   | B   |
| VHiLCX16373-1  | 572 573 2443             | 19- 50 | AM       | EG  | N   | B   |
| VHiLCX74MTC-1  | 572 573 2444             | 19- 51 | AE       | DJ  |     | B   |
| VHiLM324D+-1   | 572 573 2445             | 18- 56 | AE       | DJ  | N   | B   |
| VHiLM339D+-1   | 572 573 2446             | 18- 57 | AE       | DJ  | N   | B   |
| VHiLM393D+-1   | 572 573 2447             | 19- 52 | AE       | DJ  | N   | B   |
| VHiLVT240MT-1  | 572 573 2453             | 19- 53 | AL       | EB  | N   | B   |
| VHiLVX240SJ-1  | 572 573 2431             | 18- 58 | AG       | DS  | N   | B   |
| VHiLVX4245M-1  | 578 573 1181             | 18- 59 | AL       | EB  |     | B   |
| VHiM87J4810-1  | 572 573 2408             | 19- 54 | BK       | HC  |     | B   |
| VHiMTD13611-1  | 578 573 1140             | 18- 60 | AR       | EQ  |     | B   |
| VHiN2370R33-1  | 572 573 2448             | 19- 57 | AF       | DS  | N   | B   |
| VHiN2391D25-1  | 578 573 1222             | 19- 58 | AG       | DX  | N   | B   |
| VHiNJM317DL-1  | 578 573 1221             | 19- 55 | AK       | DX  | N   | B   |
| VHiNJM7805A-1  | 595 573 1543             | 18- 61 | AH       | DX  |     | B   |
| VHiNJM78M12-1  | 567 573 0111             | 20- 8  | AG       | DX  |     | B   |
| VHiNJU6356E-1  | 572 573 1737             | 19- 56 | AK       | DX  |     | B   |
| VHiPi6C2309-1  | 578 573 1223             | 19- 59 | AR       | EQ  | N   | B   |
| VHiPM2500+-1   | 572 573 2409             | 19- 60 | BP       | LP  |     | B   |
| VHiPST598CN-1  | 572 573 2449             | 19- 61 | AF       | DS  | N   | B   |
| VHiPST598IN-1  | 523 573 0081             | 19- 62 | AF       | DS  |     | B   |
| VHiSD4M16L1-1  | 572 573 2410             | 19- 63 | AZ       | FX  |     | B   |
| VHiT4955A20-1  | 578 573 1141             | 19- 65 | BF       | GN  |     | B   |
| VHiTA7291S/-1  | 572 573 0188             | 18- 62 | AF       | DS  |     | B   |

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| VH1TD62003AP1 | 595 573 1747             | 18- 63 | AG       | DX  |     | B   |
| VH1TD62503F/- | 572 573 0907             | 18- 64 | AG       | DX  |     | B   |
| VH1TD62503F-1 | 572 573 0827             | 19- 64 | AF       | DS  |     | B   |
| VHP1LHEE-002A | 578 574 0042             | 18- 67 | AC       | DJ  |     | B   |
| "             | 578 574 0042             | 19- 14 | AC       | DJ  |     | B   |
| "             | 578 574 0042             | 23- 5  | AC       | DJ  |     | B   |
| VHP1LHLE-002A | 578 574 0043             | 23- 6  | AC       | DJ  |     | B   |
| VHPGP1A73A+-1 | 572 568 0112             | 6- 6   | AG       | DX  |     | B   |
| "             | 572 568 0112             | 8- 9   | AG       | DX  |     | B   |
| VHPGP2A200L-1 | 572 568 0131             | 3- 20  | AR       | EQ  |     | B   |
| VHSTM1661P/-F | 572 575 0154             | 25- 15 | AT       | EZ  |     | B   |
| VHSTM861S/-1  | 572 575 0162             | 25- 16 | AG       | DX  | N   | B   |
| VHV10V471K+-1 | 572 577 0037             | 21- 8  | AD       | DJ  |     | B   |
| VHVC471D10A-1 | 578 577 0017             | 25- 71 | AE       | DJ  |     | B   |
| VHVICPS1.2/-1 | 567 577 0014             | 18- 68 | AF       | DS  |     | B   |
| VRD-HT2EY472J | 507 581 5018             | 23- 7  | AA       | DD  |     | C   |
| VRD-HT2EY911J | 588 581 0035             | 18- 69 | AA       | DD  |     | C   |
| VRD-HT2HY242J | 572 580 0673             | 18- 70 | AA       | DD  |     | C   |
| VRD-HT2HY471J | 579 581 0125             | 18- 71 | AA       | DD  |     | C   |
| VRD-ST2CD101J | 501 581 0043             | 25- 76 | AA       | DD  |     | C   |
| VRD-ST2CD102J | 501 581 0040             | 25- 37 | AA       | DD  |     | C   |
| "             | 501 581 0040             | 25- 77 | AA       | DD  |     | C   |
| VRD-ST2CD103J | 501 581 0044             | 25- 38 | AA       | DD  |     | C   |
| "             | 501 581 0044             | 25- 78 | AA       | DD  |     | C   |
| VRD-ST2CD104J | 501 581 0042             | 25- 39 | AA       | DD  |     | C   |
| "             | 501 581 0042             | 25- 79 | AA       | DD  |     | C   |
| VRD-ST2CD123J | 571 580 0129             | 25- 80 | AA       | DD  |     | C   |
| VRD-ST2CD151J | 596 581 0149             | 25- 40 | AA       | DD  |     | C   |
| "             | 596 581 0149             | 25- 81 | AA       | DD  |     | C   |
| VRD-ST2CD153J | 572 581 0195             | 25- 41 | AA       | DD  |     | C   |
| VRD-ST2CD182J | 596 581 0154             | 25- 82 | AA       | DD  |     | C   |
| VRD-ST2CD221J | 501 581 0039             | 25- 42 | AA       | DD  |     | C   |
| VRD-ST2CD222J | 572 581 0196             | 25- 83 | AA       | DD  |     | C   |
| VRD-ST2CD223J | 588 581 0119             | 25- 43 | AA       | DD  |     | C   |
| VRD-ST2CD270J | 572 580 1273             | 25- 44 | AB       | DD  | N   | C   |
| VRD-ST2CD332J | 572 581 0204             | 25- 84 | AA       | DD  |     | C   |
| VRD-ST2CD333J | 596 581 0144             | 25- 85 | AA       | DD  |     | C   |
| VRD-ST2CD470J | 578 580 0118             | 25- 86 | AB       | DD  |     | C   |
| VRD-ST2CD471J | 572 581 0199             | 25- 45 | AA       | DD  |     | C   |
| VRD-ST2CD472J | 572 581 0200             | 25- 46 | AA       | DD  |     | C   |
| "             | 572 581 0200             | 25- 87 | AA       | DD  |     | C   |
| VRD-ST2CD561J | 501 581 0046             | 25- 88 | AA       | DD  |     | C   |
| VRD-ST2CD682J | 578 580 0050             | 25- 47 | AA       | DD  |     | C   |
| VRD-ST2CD821J | 572 580 1274             | 25- 48 | AB       | DD  | N   | C   |
| VRD-ST2CD823J | 572 581 0208             | 25- 89 | AA       | DD  |     | C   |
| VRD-ST2EF824J | 578 580 0052             | 25- 49 | AA       | DD  |     | C   |
| VRD-ST2HA470J | 572 580 1275             | 25- 50 | AB       | DD  | N   | C   |
| VRD-ST2HF224J | 578 580 0054             | 25- 51 | AB       | DD  |     | C   |
| VRD-ST2HF273J | 572 580 1276             | 25- 52 | AB       | DD  | N   | C   |
| VRS-CZ1JD000J | 521 581 0082             | 18- 72 | AA       | DD  |     | C   |
| "             | 521 581 0082             | 19- 74 | AA       | DD  |     | C   |
| "             | 521 581 0082             | 19- 75 | AA       | DD  |     | C   |
| VRS-CZ1JD100J | 567 581 0524             | 19- 76 | AA       | DD  |     | C   |
| VRS-CZ1JD101J | 521 581 0137             | 18- 73 | AA       | DD  |     | C   |
| "             | 521 581 0137             | 19- 77 | AA       | DD  |     | C   |
| VRS-CZ1JD102J | 521 581 0093             | 18- 74 | AA       | DD  |     | C   |
| "             | 521 581 0093             | 19- 78 | AA       | DD  |     | C   |
| VRS-CZ1JD103F | 521 581 0127             | 18- 75 | AA       | DD  |     | C   |
| VRS-CZ1JD103J | 521 581 0085             | 18- 76 | AA       | DD  |     | C   |
| "             | 521 581 0085             | 19- 79 | AA       | DD  |     | C   |
| "             | 521 581 0085             | 19- 80 | AA       | DD  |     | C   |
| "             | 521 581 0085             | 19- 81 | AA       | DD  |     | C   |
| "             | 521 581 0085             | 19- 82 | AA       | DD  |     | C   |
| "             | 521 581 0085             | 19- 83 | AA       | DD  |     | C   |
| VRS-CZ1JD104J | 521 581 0083             | 18- 77 | AA       | DD  |     | C   |
| VRS-CZ1JD122J | 521 581 0096             | 18- 78 | AA       | DD  |     | C   |
| VRS-CZ1JD151J | 567 581 0527             | 18- 79 | AA       | DD  |     | C   |
| VRS-CZ1JD152F | 567 581 0545             | 18- 80 | AA       | DD  |     | C   |
| VRS-CZ1JD152J | 521 581 0175             | 18- 81 | AA       | DD  |     | C   |
| VRS-CZ1JD153F | 521 581 0290             | 18- 82 | AB       | DD  |     | C   |
| VRS-CZ1JD201J | 521 581 0254             | 18- 83 | AA       | DD  |     | C   |
| VRS-CZ1JD203J | 567 581 0530             | 18- 84 | AA       | DD  |     | C   |
| VRS-CZ1JD220J | 567 581 0532             | 19- 84 | AA       | DD  |     | C   |
| "             | 567 581 0532             | 19- 85 | AA       | DD  |     | C   |
| VRS-CZ1JD222J | 567 581 0534             | 19- 99 | AA       | DD  |     | C   |
| VRS-CZ1JD304J | 521 581 0192             | 18- 85 | AA       | DD  |     | C   |
| VRS-CZ1JD330J | 521 581 0202             | 18- 86 | AA       | DD  |     | C   |
| "             | 521 581 0202             | 19- 86 | AA       | DD  |     | C   |
| "             | 521 581 0202             | 19- 87 | AA       | DD  |     | C   |
| "             | 521 581 0202             | 19- 88 | AA       | DD  |     | C   |
| VRS-CZ1JD332J | 521 581 0107             | 18- 87 | AA       | DD  |     | C   |

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| VRS-CZ1JD332J | 521 581 0107             | 19- 89 | AA       | DD  |     | C   |
| VRS-CZ1JD333J | 521 581 0124             | 19- 90 | AA       | DD  |     | C   |
| VRS-CZ1JD470J | 521 581 0170             | 19- 91 | AA       | DD  |     | C   |
| VRS-CZ1JD471J | 567 581 0617             | 18- 88 | AA       | DD  |     | C   |
| VRS-CZ1JD472F | 572 581 2062             | 18- 89 | AA       | DD  | N   | C   |
| VRS-CZ1JD472J | 521 581 0088             | 19- 92 | AA       | DD  |     | C   |
| "             | 521 581 0088             | 19- 93 | AA       | DD  |     | C   |
| VRS-CZ1JD473F | 572 581 2063             | 18- 90 | AA       | DD  | N   | C   |
| VRS-CZ1JD473J | 521 581 0109             | 18- 91 | AA       | DD  |     | C   |
| VRS-CZ1JD562J | 567 581 0541             | 18- 92 | AA       | DD  |     | C   |
| VRS-CZ1JD621J | 572 581 2064             | 18- 93 | AA       | DD  | N   | C   |
| VRS-CZ1JD680J | 572 581 2065             | 18- 94 | AA       | DD  | N   | C   |
| VRS-CZ1JD681J | 567 581 0542             | 18- 95 | AA       | DD  |     | C   |
| VRS-CZ1JD750J | 521 581 0288             | 19- 94 | AA       | DD  |     | C   |
| VRS-CZ1JD752J | 521 581 0205             | 18- 96 | AA       | DD  |     | C   |
| VRS-CZ1JD822J | 572 581 2066             | 18- 97 | AA       | DD  | N   | C   |
| VRS-CZ1JD823J | 572 581 2067             | 19- 95 | AA       | DD  | N   | C   |
| VRS-FT3AD104J | 572 581 2056             | 25- 53 | AB       | DD  | N   | C   |
| VRS-FT3AD121J | 578 581 0305             | 25- 54 | AA       | DD  |     | C   |
| VRS-FT3AD181J | 572 581 2057             | 25- 55 | AB       | DD  | N   | C   |
| VRS-FT3AD270J | 572 581 2058             | 25- 56 | AB       | DD  | N   | C   |
| VRS-FT3DD223J | 572 581 2059             | 25-135 | AB       | DD  | N   | C   |
| VRS-RE3AA241J | 572 581 2068             | 18- 98 | AC       | DD  | N   | C   |
| VRS-RE3DA1R0J | 578 581 0219             | 18- 99 | AB       | DD  |     | C   |
| VRS-RE3DA8R2J | 572 581 2069             | 18-100 | AC       | DD  | N   | C   |
| VRS-RE3LA8R2J | 578 581 0241             | 20- 9  | AD       | DJ  |     | C   |
| VS2SA673AC/-1 | 571 576 0086             | 25- 72 | AE       | DS  |     | B   |
| VS2SC1213-C1A | 541 576 0006             | 25- 73 | AC       | DD  |     | B   |
| VS2SC2785F/-1 | 572 576 0525             | 25- 94 | AC       | DJ  |     | B   |
| VS2SJ4777/-1  | 572 576 0579             | 25- 17 | AL       | EB  | N   | B   |
| VS2SK2082/-1  | 578 576 0080             | 25- 18 | AT       | EZ  |     | B   |
| VSDTA123YK/-1 | 572 576 0336             | 18-101 | AB       | DJ  |     | B   |
| VSDTC114EK/-1 | 595 576 0038             | 18-102 | AB       | DD  |     | B   |
| "             | 595 576 0038             | 19- 96 | AB       | DD  |     | B   |
| VSDTC114YK/-1 | 507 576 5005             | 18-103 | AC       | DD  |     | B   |
| "             | 507 576 5005             | 19- 97 | AC       | DD  |     | B   |
| VSDTD114EK/-1 | 569 576 0020             | 18-104 | AC       | DJ  |     | B   |
| VVLNCOG003A07 | 578 567 0005             | 23- 8  | AZ       | ZZ  |     | B   |
| [X]           |                          |        |          |     |     |     |
| XBBS230P06000 | 572 970 1967             | 10- 51 | AD       | DJ  |     | C   |
| XBBS230P08000 | 572 970 2308             | 10- 24 | AA       | DD  | N   | C   |
| XBBSD30P06000 | 541 970 5028             | 12- 51 | AA       | DD  |     | C   |
| "             | 541 970 5028             | 15- 59 | AA       | DD  |     | C   |
| XBBSD30P08000 | 571 970 0241             | 11- 2  | AA       | DD  |     | C   |
| XBBSD30W10000 | 572 970 2306             | 12- 40 | AA       | DD  | N   | C   |
| XBBSD40P08000 | 572 970 0627             | 11- 28 | AA       | DD  |     | C   |
| "             | 572 970 0627             | 12- 3  | AA       | DD  |     | C   |
| "             | 572 970 0627             | 13- 19 | AA       | DD  |     | C   |
| XBBS30P14000  | 572 970 2307             | 14- 11 | AA       | DD  | N   | C   |
| XBPSD20P03000 | 571 970 0115             | 15- 3  | AA       | DD  |     | C   |
| XBPSD30P06000 | 541 970 1080             | 12- 47 | AA       | DD  |     | C   |
| XBPSD30P06K00 | 541 970 0018             | 4- 77  | AA       | DD  |     | C   |
| "             | 541 970 0018             | 15- 60 | AA       | DD  |     | C   |
| XBPSD30P06KS0 | 541 970 0016             | 5- 17  | AA       | DD  |     | C   |
| XBPSD30P08K00 | 541 970 0014             | 4- 23  | AA       | DD  |     | C   |
| "             | 541 970 0014             | 13- 3  | AA       | DD  |     | C   |
| "             | 541 970 0014             | 20- 10 | AA       | DD  |     | C   |
| XBPSD30P08KS0 | 541 970 1097             | 7- 10  | AA       | DD  |     | C   |
| XBPSD30P16K00 | 541 970 1117             | 11- 14 | AA       | DD  |     | C   |
| XBPSD40P06K00 | 541 970 1038             | 15- 64 | AA       | DD  |     | C   |
| XBPSD40P30000 | 571 970 0442             | 12- 13 | AA       | DD  |     | C   |
| XEBSD30P08000 | 578 970 0105             | 3- 10  | AA       | DD  |     | C   |
| "             | 578 970 0105             | 9- 1   | AA       | DD  |     | C   |
| "             | 578 970 0105             | 10- 10 | AA       | DD  |     | C   |
| "             | 578 970 0105             | 11- 4  | AA       | DD  |     | C   |
| "             | 578 970 0105             | 15- 23 | AA       | DD  |     | C   |
| XEBSD30P10000 | 578 970 0106             | 2- 29  | AA       | DD  |     | C   |
| XEBSD30P14000 | 572 970 1675             | 2- 40  | AA       | DD  |     | C   |
| XEBSD30P16000 | 578 970 0107             | 8- 53  | AA       | DD  |     | C   |
| XEBSD40P08000 | 572 970 0587             | 5- 6   | AA       | DD  |     | C   |
| "             | 572 970 0587             | 16- 9  | AA       | DD  |     | C   |
| XEBSD40P10000 | 572 970 0588             | 1- 15  | AA       | DD  |     | C   |
| "             | 572 970 0588             | 4- 78  | AA       | DD  |     | C   |
| "             | 572 970 0588             | 6- 2   | AA       | DD  |     | C   |
| "             | 572 970 0588             | 8- 3   | AA       | DD  |     | C   |
| "             | 572 970 0588             | 12- 43 | AA       | DD  |     | C   |
| "             | 572 970 0588             | 14- 52 | AA       | DD  |     | C   |
| "             | 572 970 0588             | 15- 53 | AA       | DD  |     | C   |
| XEBSD40P12000 | 578 970 0084             | 3-101  | AA       | DD  |     | C   |
| "             | 578 970 0084             | 14- 49 | AA       | DD  |     | C   |
| XEBSE30P06000 | 578 970 0082             | 11- 40 | AA       | DD  |     | C   |

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| XEBSE30P08000        | 595 970 0121             | 11- 4  | AA       | DD  |     | C   |
| XEBSE40P08000        | 572 970 1505             | 2- 41  | AA       | DD  |     | C   |
| "                    | 572 970 1505             | 14- 50 | AA       | DD  |     | C   |
| XEBSE40P10000        | 572 970 0575             | 2- 35  | AA       | DD  |     | C   |
| XEBSE40P12000        | 572 970 1447             | 2- 14  | AA       | DD  |     | C   |
| XEPSD30P08000        | 595 970 0137             | 1- 8   | AA       | DD  |     | C   |
| XEPSD40P35000        | 572 970 0584             | 12- 4  | AA       | DD  |     | C   |
| "                    | 572 970 0584             | 14- 2  | AA       | DD  |     | C   |
| XEPSF40P08X00        | 572 970 2309             | 7- 29  | AB       | DD  | N   | C   |
| XHBSD30P06000        | 541 970 1017             | 4- 9   | AA       | DD  |     | C   |
| "                    | 541 970 1017             | 8- 64  | AA       | DD  |     | C   |
| "                    | 541 970 1017             | 12- 42 | AA       | DD  |     | C   |
| XHBSD30P08000        | 578 970 0060             | 4- 14  | AA       | DD  |     | C   |
| XHBSD40P08000        | 578 970 0074             | 7- 5   | AA       | DD  |     | C   |
| XHBSD40P12000        | 572 970 1269             | 12- 22 | AA       | DD  |     | C   |
| XHBSE30P06000        | 578 970 0070             | 1- 25  | AA       | DD  |     | C   |
| "                    | 578 970 0070             | 3- 41  | AA       | DD  |     | C   |
| "                    | 578 970 0070             | 12- 50 | AA       | DD  |     | C   |
| "                    | 578 970 0070             | 14- 8  | AA       | DD  |     | C   |
| "                    | 578 970 0070             | 14- 14 | AA       | DD  |     | C   |
| "                    | 578 970 0070             | 15- 66 | AA       | DD  |     | C   |
| XHBSE30P08000        | 595 970 0163             | 10- 6  | AA       | DD  |     | C   |
| XHBSE40P06000        | 572 970 0534             | 2- 38  | AA       | DD  |     | C   |
| XHBSE40P08000        | 572 970 0539             | 1- 21  | AA       | DD  |     | C   |
| "                    | 572 970 0539             | 6- 37  | AA       | DD  |     | C   |
| "                    | 572 970 0539             | 8- 4   | AA       | DD  |     | C   |
| "                    | 572 970 0539             | 12- 6  | AA       | DD  |     | C   |
| "                    | 572 970 0539             | 13- 5  | AA       | DD  |     | C   |
| "                    | 572 970 0539             | 14- 4  | AA       | DD  |     | C   |
| "                    | 572 970 0539             | 14- 16 | AA       | DD  |     | C   |
| "                    | 572 970 0539             | 15- 16 | AA       | DD  |     | C   |
| XHPSD30P06000        | 588 970 0137             | 7- 49  | AA       | DD  |     | C   |
| XNESD30-18000        | 541 980 1004             | 4- 76  | AA       | DD  |     | C   |
| XPSSJ20-12000        | 572 218 0355             | 6- 26  | AA       | DD  |     | C   |
| XRESP30-06000        | 541 399 5002             | 10- 2  | AA       | DD  |     | C   |
| "                    | 541 399 5002             | 14- 23 | AA       | DD  |     | C   |
| "                    | 541 399 5002             | 15- 50 | AA       | DD  |     | C   |
| XRESP40-05000        | 572 399 0053             | 4- 72  | AA       | DD  |     | C   |
| "                    | 572 399 0053             | 4- 79  | AA       | DD  |     | C   |
| XRESP40-06000        | 509 399 5001             | 2- 2   | AA       | DD  |     | C   |
| "                    | 509 399 5001             | 10- 11 | AA       | DD  |     | C   |
| "                    | 509 399 5001             | 11- 7  | AA       | DD  |     | C   |
| "                    | 509 399 5001             | 15- 5  | AA       | DD  |     | C   |
| XRESP50-06000        | 572 399 0063             | 2- 36  | AA       | DD  |     | C   |
| "                    | 572 399 0063             | 4- 3   | AA       | DD  |     | C   |
| "                    | 572 399 0063             | 6- 17  | AA       | DD  |     | C   |
| "                    | 572 399 0063             | 7- 35  | AA       | DD  |     | C   |
| "                    | 572 399 0063             | 10- 28 | AA       | DD  |     | C   |
| "                    | 572 399 0063             | 11- 9  | AA       | DD  |     | C   |
| XRESP60-07000        | 572 399 0056             | 4- 69  | AA       | DD  |     | C   |
| XRESP70-08000        | 571 399 0027             | 3- 7   | AA       | DD  |     | C   |
| "                    | 571 399 0027             | 4- 68  | AA       | DD  |     | C   |
| "                    | 571 399 0027             | 8- 19  | AA       | DD  |     | C   |
| "                    | 571 399 0027             | 16- 13 | AA       | DD  |     | C   |
| XWHSD30-05070<br>【0】 | 572 990 0246             | 11- 54 | AA       | DD  |     | C   |
| 0FT13519279//        | 572 581 1975             | 24- 1  | AF       | DS  | N   | C   |
| "                    | 572 581 1975             | 24- 2  | AF       | DS  | N   | C   |
| 0FT14356888//        | 572 637 0157             | 24- 3  | AZ       | FQ  | N   | B   |
| 0FT23006212//        | 572 573 1773             | 24- 4  | AP       | EQ  |     | B   |
| "                    | 572 573 1773             | 24- 5  | AP       | EQ  |     | B   |
| 0FT23034135//        | 572 970 1546             | 24- 6  | AC       | DJ  |     | C   |
| 0FT23034348//        | 572 576 0568             | 24- 7  | AR       | EQ  | N   | B   |
| "                    | 572 576 0568             | 24- 8  | AR       | EQ  | N   | B   |
| 0FT23095657//        | 572 576 0569             | 24- 66 | AF       | DS  | N   | B   |
| "                    | 572 576 0569             | 24- 67 | AF       | DS  | N   | B   |
| "                    | 572 576 0569             | 24- 68 | AF       | DS  | N   | B   |
| 0FT23105423//        | 572 510 0798             | 24- 10 | AE       | DS  |     | C   |
| 0FT23124843//        | 572 594 0892             | 24- 69 | AP       | EQ  | N   | C   |
| "                    | 572 594 0892             | 24- 70 | AP       | EQ  | N   | C   |
| 0FT23188728//        | 572 594 0634             | 24- 11 | AP       | EQ  |     | C   |
| 0FT23194256//        | 572 570 0524             | 24- 12 | AR       | EQ  | N   | B   |
| 0FT23204790//        | 572 594 0894             | 24- 71 | AP       | EQ  | N   | C   |
| "                    | 572 594 0894             | 24- 72 | AP       | EQ  | N   | C   |
| 0FT23259447//        | 572 594 0897             | 24- 73 | AK       | DX  | N   | C   |
| "                    | 572 594 0897             | 24- 74 | AK       | DX  | N   | C   |
| 0FT23259498//        | 572 594 0898             | 24- 75 | AK       | DX  | N   | C   |
| "                    | 572 594 0898             | 24- 76 | AK       | DX  | N   | C   |
| 0FT23259536//        | 572 594 0899             | 24- 77 | AP       | EQ  | N   | C   |
| 0FT23285758//        | 572 570 0473             | 24- 13 | AK       | DX  |     | B   |
| 0FT23287637//        | 572 576 0571             | 24- 78 | AP       | EQ  | N   | B   |

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| 0FT23287637// | 572 576 0571             | 24- 79 | AP       | EQ  | N   | B   |
| "             | 572 576 0571             | 24- 80 | AP       | EQ  | N   | B   |
| 0FT23287823// | 572 594 0900             | 24- 81 | AK       | DX  | N   | C   |
| "             | 572 594 0900             | 24- 82 | AK       | DX  | N   | C   |
| 0FT23314863// | 572 571 0246             | 24- 83 | AF       | DS  | N   | B   |
| 0FT23314871// | 572 571 0247             | 24- 84 | AF       | DS  | N   | B   |
| 0FT23314936// | 572 571 0248             | 24- 85 | AF       | DS  | N   | B   |
| 0FT23314944// | 572 571 0249             | 24- 86 | AF       | DS  | N   | B   |
| "             | 572 571 0249             | 24- 87 | AF       | DS  | N   | B   |
| "             | 572 571 0249             | 24- 88 | AF       | DS  | N   | B   |
| 0FT23314979// | 572 571 0250             | 24- 89 | AF       | DS  | N   | B   |
| 0FT23315010// | 572 571 0251             | 24- 90 | AF       | DS  | N   | B   |
| 0FT23316084// | 572 571 0252             | 24- 91 | AF       | DS  | N   | B   |
| 0FT23319431// | 572 570 0525             | 24- 92 | AF       | DS  | N   | B   |
| "             | 572 570 0525             | 24- 93 | AF       | DS  | N   | B   |
| "             | 572 570 0525             | 24- 94 | AF       | DS  | N   | B   |
| "             | 572 570 0525             | 24- 95 | AF       | DS  | N   | B   |
| "             | 572 570 0525             | 24- 96 | AF       | DS  | N   | B   |
| "             | 572 570 0525             | 24- 97 | AF       | DS  | N   | B   |
| "             | 572 570 0525             | 24- 98 | AF       | DS  | N   | B   |
| "             | 572 570 0525             | 24- 99 | AF       | DS  | N   | B   |
| 0FT23339688// | 572 200 1444             | 24- 14 | AK       | DX  |     | C   |
| 0FT23375323// | 572 614 0199             | 24- 15 | AR       | EQ  |     | C   |
| 0FT23394395// | 572 594 0903             | 24-100 | AU       | EZ  | N   | C   |
| "             | 572 594 0903             | 24-101 | AU       | EZ  | N   | C   |
| 0FT23397858// | 572 510 1117             | 24- 16 | AK       | DX  |     | C   |
| 0FT23400832// | 572 571 0253             | 24-102 | AF       | DS  | N   | B   |
| 0FT23405087// | 572 576 0414             | 24- 17 | AN       | EG  |     | B   |
| 0FT23413403// | 572 570 0389             | 24- 18 | AU       | EZ  |     | B   |
| 0FT23413454// | 572 614 0207             | 24- 19 | BC       | GJ  |     | C   |
| 0FT23415031// | 572 581 1977             | 24-103 | AD       | DJ  | N   | C   |
| 0FT23415325// | 572 581 1978             | 24-104 | AD       | DJ  | N   | C   |
| 0FT23415341// | 572 581 1979             | 24-105 | AF       | DS  | N   | C   |
| "             | 572 581 1979             | 24-106 | AF       | DS  | N   | C   |
| 0FT23415376// | 572 581 1980             | 24-107 | AD       | DJ  | N   | C   |
| 0FT23415392// | 572 581 1981             | 24-108 | AD       | DJ  | N   | C   |
| 0FT23415430// | 572 581 1982             | 24-109 | AF       | DS  | N   | C   |
| "             | 572 581 1982             | 24-110 | AF       | DS  | N   | C   |
| 0FT23415473// | 572 581 1983             | 24-111 | AD       | DJ  | N   | C   |
| "             | 572 581 1983             | 24-112 | AD       | DJ  | N   | C   |
| 0FT23415570// | 572 581 1984             | 24-113 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-114 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-115 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-116 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-117 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-118 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-119 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-120 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-121 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-122 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-123 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-124 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-125 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-126 | AF       | DS  | N   | C   |
| "             | 572 581 1984             | 24-127 | AF       | DS  | N   | C   |
| 0FT23415619// | 572 581 1986             | 24-128 | AD       | DJ  | N   | C   |
| "             | 572 581 1986             | 24-129 | AD       | DJ  | N   | C   |
| "             | 572 581 1986             | 24-130 | AD       | DJ  | N   | C   |
| "             | 572 581 1986             | 24-131 | AD       | DJ  | N   | C   |
| "             | 572 581 1986             | 24-132 | AD       | DJ  | N   | C   |
| "             | 572 581 1986             | 24-133 | AD       | DJ  | N   | C   |
| "             | 572 581 1986             | 24-134 | AD       | DJ  | N   | C   |
| "             | 572 581 1986             | 24-135 | AD       | DJ  | N   | C   |
| "             | 572 581 1986             | 24-136 | AD       | DJ  | N   | C   |
| 0FT23415635// | 572 581 1987             | 24-137 | AD       | DJ  | N   | C   |
| "             | 572 581 1987             | 24-138 | AD       | DJ  | N   | C   |
| "             | 572 581 1987             | 24-139 | AD       | DJ  | N   | C   |
| "             | 572 581 1987             | 24-140 | AD       | DJ  | N   | C   |
| "             | 572 581 1987             | 24-141 | AD       | DJ  | N   | C   |
| 0FT23415643// | 572 581 1988             | 24-142 | AF       | DS  | N   | C   |
| 0FT23415651// | 572 581 1989             | 24-143 | AF       | DS  | N   | C   |
| "             | 572 581 1989             | 24-144 | AF       | DS  | N   | C   |
| 0FT23415678// | 572 581 1990             | 24-145 | AD       | DJ  | N   | C   |
| 0FT23415686// | 572 581 1991             | 24-146 | AD       | DJ  | N   | C   |
| 0FT23415716// | 572 581 1992             | 24-147 | AF       | DS  | N   | C   |
| "             | 572 581 1992             | 24-148 | AF       | DS  | N   | C   |
| "             | 572 581 1992             | 24-149 | AF       | DS  | N   | C   |
| "             | 572 581 1992             | 24-150 | AF       | DS  | N   | C   |
| "             | 572 581 1992             | 24-151 | AF       | DS  | N   | C   |
| 0FT23415732// | 572 581 1993             | 24-152 | AD       | DJ  | N   | C   |
| "             | 572 581 1993             | 24-153 | AD       | DJ  | N   | C   |

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| 0FT23415740// | 572 581 1994             | 24-154 | AF       | DS  | N   | C   |
| "             | 572 581 1994             | 24-155 | AF       | DS  | N   | C   |
| 0FT23415767// | 572 581 1995             | 24-156 | AD       | DJ  | N   | C   |
| "             | 572 581 1995             | 24-157 | AD       | DJ  | N   | C   |
| 0FT23415899// | 572 581 1996             | 24-158 | AF       | DS  | N   | C   |
| 0FT23415929// | 572 581 1997             | 24-159 | AD       | DJ  | N   | C   |
| "             | 572 581 1997             | 24-160 | AD       | DJ  | N   | C   |
| 0FT23416038// | 572 581 1998             | 24-161 | AD       | DJ  | N   | C   |
| "             | 572 581 1998             | 24-162 | AD       | DJ  | N   | C   |
| 0FT23432963// | 572 990 0440             | 24- 20 | AC       | DJ  |     | C   |
| 0FT23437531// | 572 615 0029             | 24- 21 | AG       | DX  |     | C   |
| "             | 572 615 0029             | 24- 22 | AG       | DX  |     | C   |
| 0FT23453847// | 572 990 0441             | 24- 23 | AC       | DJ  |     | C   |
| 0FT23479358// | 572 512 0395             | 24- 24 | AP       | EQ  | N   | C   |
| 0FT23537900// | 572 581 2007             | 24- 25 | AD       | DJ  | N   | C   |
| 0FT23538524// | 572 581 2008             | 24- 26 | AG       | DX  | N   | C   |
| 0FT23543641// | 572 516 0055             | 24-163 | AK       | DX  | N   | C   |
| "             | 572 516 0055             | 24-164 | AK       | DX  | N   | C   |
| "             | 572 516 0055             | 24-165 | AK       | DX  | N   | C   |
| 0FT23562794// | 572 580 1234             | 24- 27 | AD       | DJ  |     | C   |
| 0FT23562816// | 572 580 1235             | 24- 28 | AC       | DJ  |     | C   |
| 0FT23562859// | 572 580 1236             | 24- 29 | AD       | DJ  |     | C   |
| "             | 572 580 1236             | 24- 30 | AD       | DJ  |     | C   |
| "             | 572 580 1236             | 24- 31 | AD       | DJ  |     | C   |
| "             | 572 580 1236             | 24- 32 | AD       | DJ  |     | C   |
| 0FT23562956// | 572 581 2020             | 24- 33 | AD       | DJ  | N   | C   |
| 0FT23563103// | 572 581 2021             | 24- 34 | AD       | DJ  | N   | C   |
| "             | 572 581 2021             | 24- 35 | AD       | DJ  | N   | C   |
| 0FT23563286// | 572 581 1745             | 24- 36 | AC       | DJ  |     | C   |
| 0FT23563316// | 572 580 0999             | 24- 37 | AC       | DJ  |     | C   |
| 0FT23563421// | 572 581 2022             | 24- 38 | AD       | DJ  | N   | C   |
| "             | 572 581 2022             | 24- 39 | AD       | DJ  | N   | C   |
| "             | 572 581 2022             | 24- 40 | AD       | DJ  | N   | C   |
| 0FT23563456// | 572 580 1240             | 24- 41 | AC       | DJ  |     | C   |
| "             | 572 580 1240             | 24- 42 | AC       | DJ  |     | C   |
| 0FT23563626// | 572 581 2023             | 24- 43 | AG       | DX  | N   | C   |
| 0FT23563863// | 572 581 2024             | 24- 44 | AG       | DX  | N   | C   |
| 0FT23605507// | 572 570 0528             | 24-166 | AK       | DX  | N   | B   |
| "             | 572 570 0528             | 24-167 | AK       | DX  | N   | B   |
| 0FT23610810// | 572 570 0529             | 24-168 | AK       | DX  | N   | B   |
| "             | 572 570 0529             | 24-169 | AK       | DX  | N   | B   |
| "             | 572 570 0529             | 24-170 | AK       | DX  | N   | B   |
| "             | 572 570 0529             | 24-171 | AK       | DX  | N   | B   |
| 0FT23611329// | 572 594 0643             | 24- 45 | AK       | DX  |     | C   |
| "             | 572 594 0643             | 24- 46 | AK       | DX  |     | C   |
| "             | 572 594 0643             | 24- 47 | AK       | DX  |     | C   |
| "             | 572 594 0643             | 24- 48 | AK       | DX  |     | C   |
| 0FT23632954// | 572 576 0573             | 24-172 | AP       | EQ  | N   | B   |
| "             | 572 576 0573             | 24-173 | AP       | EQ  | N   | B   |
| "             | 572 576 0573             | 24-174 | AP       | EQ  | N   | B   |
| 0FT23637387// | 572 970 2034             | 24- 49 | AK       | DX  |     | C   |
| 0FT23642909// | 572 614 0182             | 24- 50 | AK       | DX  |     | C   |
| "             | 572 614 0182             | 24- 51 | AK       | DX  |     | C   |
| "             | 572 614 0182             | 24- 52 | AK       | DX  |     | C   |
| 0FT23642917// | 572 590 0022             | 24- 53 | AG       | DX  |     | C   |
| 0FT23644634// | 572 670 0175             | 24- 54 | AK       | DX  |     | B   |
| 0FT23652300// | 572 574 0322             | 24- 55 | BA       | FX  | N   | B   |
| "             | 572 574 0322             | 24- 56 | BA       | FX  | N   | B   |
| 0FT23665941// | 572 621 0062             | 24-175 | AK       | DX  | N   | C   |
| 0FT23665984// | 572 570 0396             | 24- 57 | AU       | EZ  |     | C   |
| 0FT23667731// | 572 581 2030             | 24- 58 | AF       | DS  | N   | C   |
| 0FT23678520// | 572 581 2031             | 24-176 | AF       | DS  | N   | C   |
| 0FT23690474// | 572 580 1254             | 24-177 | AD       | DJ  | N   | C   |
| "             | 572 580 1254             | 24-178 | AD       | DJ  | N   | C   |
| 0FT23690482// | 572 580 1255             | 24-179 | AD       | DJ  | N   | C   |
| 0FT23696774// | 572 580 1256             | 24-180 | AD       | DJ  | N   | C   |
| 0FT23706486// | 572 581 2061             | 24- 59 | AR       | EQ  | N   | B   |
| 0FT23716503// | 572 581 2032             | 24- 60 | AF       | DS  | N   | C   |
| 0FT23718182// | 572 580 1257             | 24-181 | AD       | DJ  | N   | C   |
| "             | 572 580 1257             | 24-182 | AD       | DJ  | N   | C   |
| 0FT23723127// | 572 515 0450             | 24- 61 | AK       | DX  |     | A   |
| 0FT23728161// | 572 580 1258             | 24-183 | AD       | DJ  | N   | C   |
| "             | 572 580 1258             | 24-184 | AD       | DJ  | N   | C   |
| 0FT23733289// | 572 581 2033             | 24-185 | AF       | DS  | N   | C   |
| "             | 572 581 2033             | 24-186 | AF       | DS  | N   | C   |
| 0FT23735125// | 572 594 0906             | 24-187 | AF       | DS  | N   | C   |
| 0FT23740277// | 572 670 0176             | 24- 62 | AK       | DX  |     | B   |
| 0FT23752267// | 572 580 1259             | 24-188 | AD       | DJ  | N   | C   |
| "             | 572 580 1259             | 24-189 | AD       | DJ  | N   | C   |
| "             | 572 580 1259             | 24-190 | AD       | DJ  | N   | C   |
| 0FT23758591// | 572 580 1260             | 24-191 | AD       | DJ  | N   | C   |

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| 0FT23758591// | 572 580 1260             | 24-192 | AD       | DJ  | N   | C   |
| "             | 572 580 1260             | 24-193 | AD       | DJ  | N   | C   |
| "             | 572 580 1260             | 24-194 | AD       | DJ  | N   | C   |
| 0FT23761126// | 572 515 0451             | 24- 63 | AG       | DX  |     | A   |
| "             | 572 515 0451             | 24- 64 | AG       | DX  |     | A   |
| 0FT23767299// | 572 593 0342             | 24- 65 | BF       | GN  | N   | C   |
| 0FT23774899// | 572 581 2034             | 24-195 | AF       | DS  | N   | C   |
| 0FT33019548// | 572 593 0343             | 24-196 | AU       | EZ  | N   | C   |
| "             | 572 593 0343             | 24-197 | AU       | EZ  | N   | C   |
| "             | 572 593 0343             | 24-198 | AU       | EZ  | N   | C   |
| 0FT33029853// | 572 580 1261             | 24-199 | AD       | DJ  | N   | C   |
| "             | 572 580 1261             | 24-200 | AD       | DJ  | N   | C   |
| 0FT33036442// | 572 580 1262             | 24-201 | AD       | DJ  | N   | C   |
| 0FT33055277// | 572 532 0211             | 24-202 | AK       | DX  | N   | C   |
| 0FT33057253// | 572 614 0281             | 24-247 | BA       | FX  | N   | C   |
| 0FT33066740// | 572 580 1263             | 24-203 | AD       | DJ  | N   | C   |
| 0FT33084013// | 572 512 0398             | 24-248 | AX       | FG  | N   | C   |
| 0FT33084862// | 572 594 0907             | 24-204 | AK       | DX  | N   | C   |
| "             | 572 594 0907             | 24-205 | AK       | DX  | N   | C   |
| 0FT33116497// | 572 594 0908             | 24-206 | AG       | DX  | N   | C   |
| 0FT33116551// | 572 594 0909             | 24-207 | AK       | DX  | N   | C   |
| "             | 572 594 0909             | 24-208 | AK       | DX  | N   | C   |
| "             | 572 594 0909             | 24-209 | AK       | DX  | N   | C   |
| 0FT33185650// | 572 594 0910             | 24-210 | AK       | DX  | N   | C   |
| "             | 572 594 0910             | 24-211 | AK       | DX  | N   | C   |
| "             | 572 594 0910             | 24-212 | AK       | DX  | N   | C   |
| "             | 572 594 0910             | 24-213 | AK       | DX  | N   | C   |
| 0FT33188633// | 572 593 0344             | 24-214 | AF       | DS  | N   | C   |
| 0FT33188641// | 572 593 0345             | 24-215 | AF       | DS  | N   | C   |
| "             | 572 593 0345             | 24-216 | AF       | DS  | N   | C   |
| "             | 572 593 0345             | 24-217 | AF       | DS  | N   | C   |
| "             | 572 593 0345             | 24-218 | AF       | DS  | N   | C   |
| "             | 572 593 0345             | 24-219 | AF       | DS  | N   | C   |
| 0FT33189486// | 572 575 0160             | 24-249 | BA       | FX  | N   | B   |
| 0FT33201516// | 572 614 0283             | 24-250 | BA       | FX  | N   | C   |
| 0FT33213786// | 572 593 0346             | 24-220 | AK       | DX  | N   | C   |
| "             | 572 593 0346             | 24-221 | AK       | DX  | N   | C   |
| "             | 572 593 0346             | 24-222 | AK       | DX  | N   | C   |
| "             | 572 593 0346             | 24-223 | AK       | DX  | N   | C   |
| "             | 572 593 0346             | 24-224 | AK       | DX  | N   | C   |
| 0FT33262132// | 572 568 0129             | 24-251 | AP       | EQ  | N   | B   |
| "             | 572 568 0129             | 24-252 | AP       | EQ  | N   | B   |
| "             | 572 568 0129             | 24-253 | AP       | EQ  | N   | B   |
| "             | 572 568 0129             | 24-254 | AP       | EQ  | N   | B   |
| 0FT33293976// | 572 594 0784             | 24-255 | AF       | DS  |     | C   |
| 0FT33295049// | 572 593 0347             | 24-225 | AK       | DX  | N   | C   |
| 0FT33377029// | 572 576 0577             | 24-256 | BB       | GD  | N   | B   |
| "             | 572 576 0577             | 24-257 | BB       | GD  | N   | B   |
| 0FT33377266// | 572 571 0258             | 24-226 | AF       | DS  | N   | B   |
| 0FT33388799// | 572 593 0348             | 24-227 | AP       | EQ  | N   | C   |
| "             | 572 593 0348             | 24-228 | AP       | EQ  | N   | C   |
| 0FT33408188// | 572 576 0545             | 24-258 | AZ       | FQ  |     | B   |
| "             | 572 576 0545             | 24-259 | AZ       | FQ  |     | B   |
| 0FT33408390// | 572 582 0013             | 24-260 | AX       | FG  | N   | C   |
| 0FT33424604// | 572 581 2036             | 24-229 | AF       | DS  | N   | C   |
| 0FT33428316// | 572 593 0349             | 24-230 | AK       | DX  | N   | C   |
| "             | 572 593 0349             | 24-231 | AK       | DX  | N   | C   |
| "             | 572 593 0349             | 24-232 | AK       | DX  | N   | C   |
| "             | 572 593 0349             | 24-233 | AK       | DX  | N   | C   |
| 0FT33428421// | 572 593 0350             | 24-234 | AK       | DX  | N   | C   |
| "             | 572 593 0350             | 24-235 | AK       | DX  | N   | C   |
| "             | 572 593 0350             | 24-236 | AK       | DX  | N   | C   |
| "             | 572 593 0350             | 24-237 | AK       | DX  | N   | C   |
| "             | 572 593 0350             | 24-238 | AK       | DX  | N   | C   |
| "             | 572 593 0350             | 24-239 | AK       | DX  | N   | C   |
| "             | 572 593 0350             | 24-240 | AK       | DX  | N   | C   |
| "             | 572 593 0350             | 24-241 | AK       | DX  | N   | C   |
| 0FT33440960// | 572 573 2210             | 24-261 | AZ       | FQ  |     | B   |
| 0FT33441592// | 572 591 0086             | 24-262 | AP       | EQ  |     | C   |
| 0FT33441614// | 572 591 0087             | 24-263 | AP       | EQ  |     | C   |
| 0FT33441622// | 572 596 0393             | 24-264 | AL       | EB  | N   | C   |
| 0FT33469128// | 572 570 0533             | 24-265 | BA       | FX  | N   | B   |
| "             | 572 570 0533             | 24-266 | BA       | FX  | N   | B   |
| 0FT33477031// | 572 614 0275             | 24-267 | BA       | FX  |     | C   |
| 0FT33487010// | 572 512 0399             | 24-268 | AP       | EQ  | N   | C   |
| 0FT33504675// | 572 424 0143             | 24-269 | AK       | DX  | N   | C   |
| 0FT33518331// | 572 596 0394             | 24-242 | AF       | DS  | N   | C   |
| "             | 572 596 0394             | 24-243 | AF       | DS  | N   | C   |
| "             | 572 596 0394             | 24-244 | AF       | DS  | N   | C   |
| "             | 572 596 0394             | 24-245 | AF       | DS  | N   | C   |
| "             | 572 596 0394             | 24-246 | AF       | DS  | N   | C   |



#### CAUTION FOR BATTERY REPLACEMENT

- (Danish) ADVARSEL !  
Lithiumbatteri - Eksplosionsfare ved fejlagtig håndtering.  
Udskiftning må kun ske med batteri  
af samme fabrikat og type.  
Levér det brugte batteri tilbage til leverandoren.
- (English) Caution !  
Danger of explosion if battery is incorrectly replaced.  
Replace only with the same or equivalent type  
recommended by the manufacturer.  
Dispose of used batteries according to manufacturer's instructions.
- (Finnish) VAROITUS  
Paristo voi räjähtää, jos se on virheellisesti asennettu.  
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan  
tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden  
mukaisesti.
- (French) ATTENTION  
Il y a danger d'explosion s'il y a remplacement incorrect  
de la batterie. Remplacer uniquement avec une batterie du  
même type ou d'un type équivalent recommandé par  
le constructeur.  
Mettre au rebut les batteries usagées conformément aux  
instructions du fabricant.
- (Swedish) VARNING  
Explosionsfara vid felaktigt batteribyte.  
Använd samma batterityp eller en ekvivalent  
typ som rekommenderas av apparatillverkaren.  
Kassera använt batteri enligt fabrikantens  
Instruktion.
- (German) Achtung  
Explosionsgefahr bei Verwendung inkorrektter Batterien.  
Als Ersatzbatterien dürfen nur Batterien vom gleichen Typ oder  
vom Hersteller empfohlene Batterien verwendet werden.  
Entsorgung der gebrauchten Batterien nur nach den vom  
Hersteller angegebenen Anweisungen.

#### CAUTION FOR BATTERY DISPOSAL

- (For USA,CANADA)  
Contains lithium-ion battery. Must be disposed of properly.  
Remove the battery from the product and contact  
federal or state environmental  
agencies for information on recycling and disposal options.

# SHARP

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**SHARP CORPORATION**  
**Digital Document Systems Group**  
**Quality & Reliability Control Center**  
**Yamatokoriyama, Nara 639-1186, Japan**

2001 April Printed in Japan ⓘ